

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071618\
 Data File : VX003395.D
 Acq On : 16 Jul 2018 14:18
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX071618

Manual Integrations
 APPROVED

MMDadoda
 7/17/2018 1:46:34 PM

Quant Time: Jul 17 02:04:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 13:15:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	345897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	467368	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	434545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	269809	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	211428	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	
35) Dibromofluoromethane	5.51	113	185854	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
50) Toluene-d8	8.72	98	694956	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
62) 4-Bromofluorobenzene	11.14	95	258169	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	186899	47.87	ug/l	99
3) Chloromethane	1.32	50	183553	43.44	ug/l	98
4) Vinyl Chloride	1.40	62	205331	44.59	ug/l	100
5) Bromomethane	1.64	94	99582	64.66	ug/l	99
6) Chloroethane	1.72	64	127286	49.94	ug/l	100
7) Trichlorofluoromethane	1.92	101	278629	45.62	ug/l	97
8) Diethyl Ether	2.19	74	115511	44.20	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.38	101	177027	45.88	ug/l	97
10) Methyl Iodide	2.51	142	174682	42.32	ug/l	93
11) Tert butyl alcohol	3.09	59	226599	222.44	ug/l	99
12) 1,1-Dichloroethene	2.37	96	160306	43.97	ug/l	92
13) Acrolein	2.29	56	97904	200.35	ug/l	100
14) Allyl chloride	2.73	41	301933	45.65	ug/l	87
15) Acrylonitrile	3.15	53	517664	221.80	ug/l	98
16) Acetone	2.45	43	424127	225.11	ug/l #	89
17) Carbon Disulfide	2.56	76	442732	44.25	ug/l	98
18) Methyl Acetate	2.78	43	299375	48.78	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	540175	44.62	ug/l	99
20) Methylene Chloride	2.86	84	180747	53.59	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	172195	43.73	ug/l	95
22) Diisopropyl ether	3.88	45	561505	43.77	ug/l	95
23) Vinyl Acetate	3.83	43	2356841	222.75	ug/l	96
24) 1,1-Dichloroethane	3.70	63	318212	43.72	ug/l	100
25) 2-Butanone	4.72	43	663945	225.17	ug/l	93
26) 2,2-Dichloropropane	4.58	77	244458	47.85	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	188592	44.51	ug/l	88
28) Bromochloromethane	5.02	49	147850	46.79	ug/l	87
29) Tetrahydrofuran	5.18	42	427248	228.47	ug/l	92
30) Chloroform	5.21	83	299541	44.66	ug/l	98
31) Cyclohexane	5.57	56	263593	46.90	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	259528	45.50	ug/l	97
36) 1,1-Dichloropropene	5.80	75	228356	48.25	ug/l	98
37) Ethyl Acetate	4.87	43	244389	45.82	ug/l	95
38) Carbon Tetrachloride	5.78	117	230021	47.76	ug/l	98

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 13:15:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	262508	48.45	ug/l	96
40) Benzene	6.14	78	683363	47.46	ug/l	99
41) Methacrylonitrile	5.07	41	141006	48.08	ug/l	92
42) 1,2-Dichloroethane	6.20	62	227656	46.10	ug/l	95
43) Isopropyl Acetate	6.48	43	388703	48.29	ug/l	94
44) Trichloroethene	7.21	130	189949	45.54	ug/l	98
45) 1,2-Dichloropropane	7.52	63	169518	45.26	ug/l	100
46) Dibromomethane	7.67	93	113016	45.31	ug/l	98
47) Bromodichloromethane	7.90	83	212669	46.56	ug/l	97
48) Methyl methacrylate	7.79	41	197750	48.15	ug/l	87
49) 1,4-Dioxane	7.76	88	87338	928.90	ug/l	95
51) 4-Methyl-2-Pentanone	8.66	43	1278006	241.20	ug/l	93
52) Toluene	8.79	92	422300	46.84	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	263009	48.77	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	242852	49.34	ug/l	90
55) 1,1,2-Trichloroethane	9.22	97	171913	45.64	ug/l	99
56) Ethyl methacrylate	9.19	69	259649	48.68	ug/l #	85
57) 1,3-Dichloropropane	9.38	76	279817	46.23	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	792692	296.39	ug/l	98
59) 2-Hexanone	9.50	43	1000643	245.80	ug/l	90
60) Dibromochloromethane	9.59	129	176221	47.08	ug/l	100
61) 1,2-Dibromoethane	9.68	107	181168	46.66	ug/l	100
64) Tetrachloroethene	9.34	164	208458	45.85	ug/l	98
65) Chlorobenzene	10.14	112	481397	46.90	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	172243	47.20	ug/l	99
67) Ethyl Benzene	10.26	91	815565	48.61	ug/l	100
68) m/p-Xylenes	10.36	106	644628	99.33	ug/l	97
69) o-Xylene	10.70	106	309862	49.71	ug/l	96
70) Styrene	10.71	104	515458	50.24	ug/l	98
71) Bromoform	10.86	173	139163	47.41	ug/l	100
73) Isopropylbenzene	11.02	105	833592	48.25	ug/l	100
74) N-amyl acetate	6.48	43	388703	46.79	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	259293	45.47	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	266906m	54.64	ug/l	
77) Bromobenzene	11.26	156	225023	45.86	ug/l	99
78) n-propylbenzene	11.37	91	959381	49.71	ug/l	100
79) 2-Chlorotoluene	11.43	91	558853	47.23	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	696936	49.38	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	77345	51.44	ug/l	90
82) 4-Chlorotoluene	11.51	91	663676	48.07	ug/l	98
83) tert-Butylbenzene	11.77	119	679687	49.28	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	717071	49.46	ug/l	98
85) sec-Butylbenzene	11.95	105	832450	49.75	ug/l	100
86) p-Isopropyltoluene	12.07	119	755412	50.72	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	420484	46.82	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	422020	46.28	ug/l	99
89) n-Butylbenzene	12.39	91	658281	51.89	ug/l	99
90) Hexachloroethane	12.60	117	108795	48.21	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	418026	46.35	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	59337	50.02	ug/l	96

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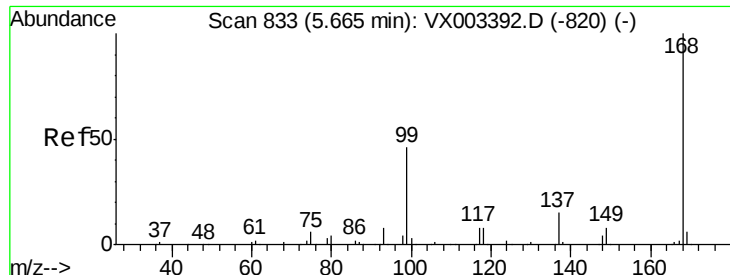
Manual Integrations
APPROVED

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7/17/2018 1:46:34 PM

Quant Time: Jul 17 02:04:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 16 13:15:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	305459	49.49	ug/l	100
94) Hexachlorobutadiene	13.79	225	148155	49.87	ug/l	99
95) Naphthalene	13.84	128	899795	50.86	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	305806	48.17	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071618

Tot Ion:168 Resp: 345897

Ion Ratio Lower Upper

168 100

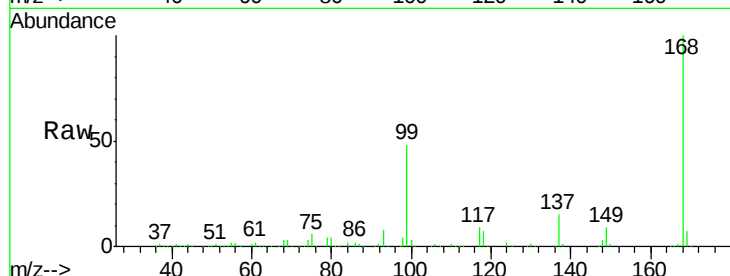
99 48.2 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

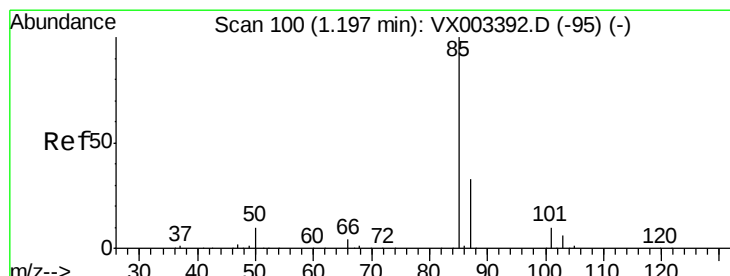
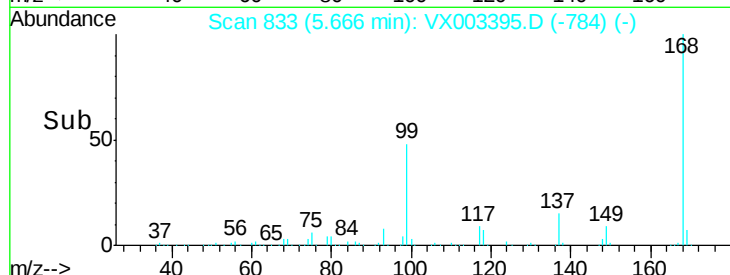
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 47.87 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003395.D

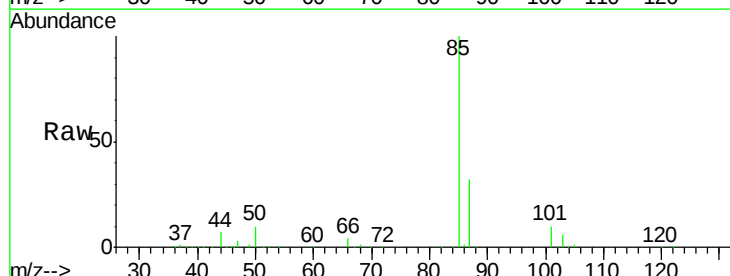
Acq: 16 Jul 2018 14:18

Tgt Ion: 85 Resp: 186899

Ion Ratio Lower Upper

85 100

87 32.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

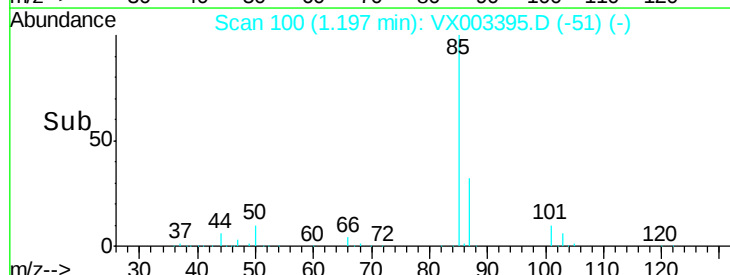
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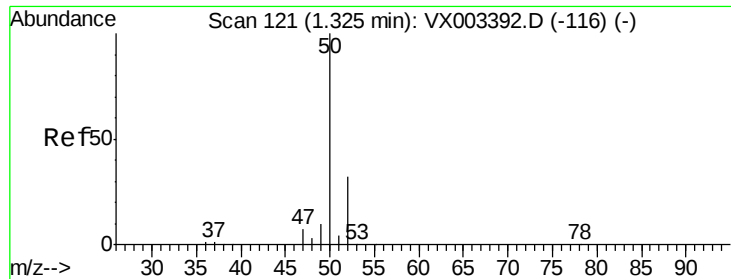
100000

50000

0

Time--> 1.10 1.20 1.30





#3

Chloromethane

Concen: 43.44 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071618

Tot Ion: 50 Resp: 183553

Ion Ratio Lower Upper

50 100

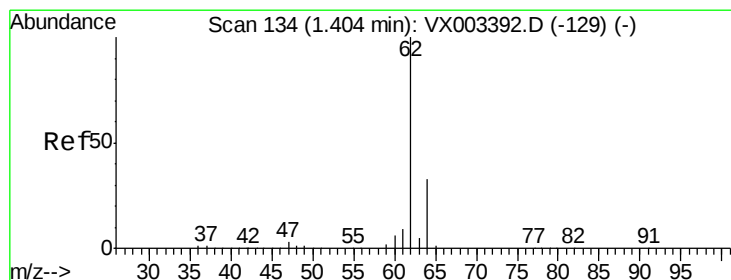
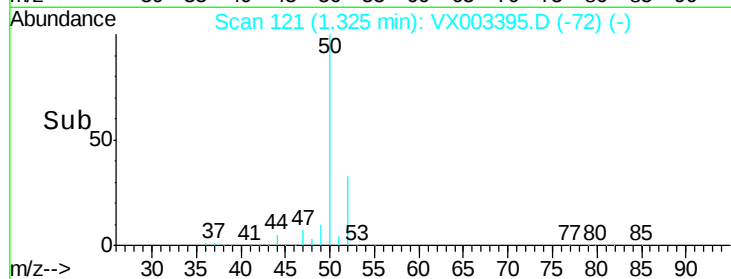
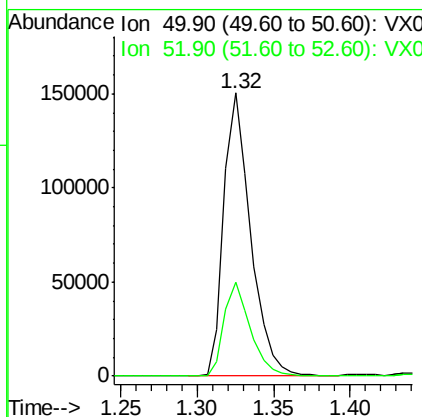
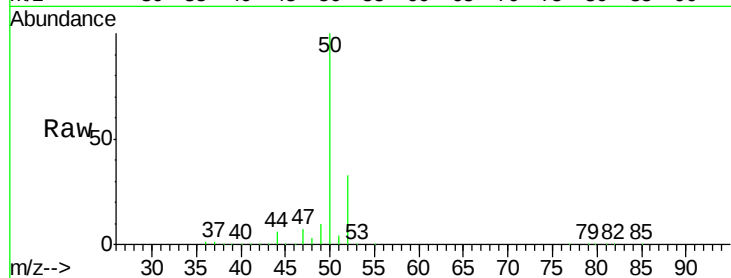
52 33.3 25.7 38.5

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 44.59 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003395.D

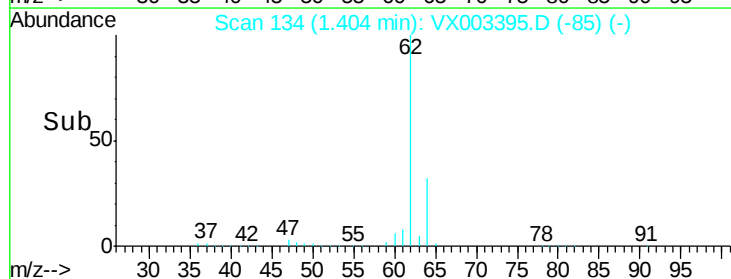
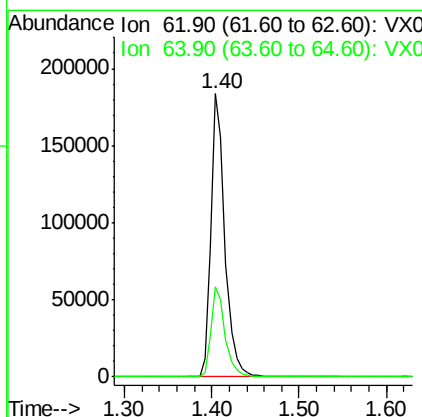
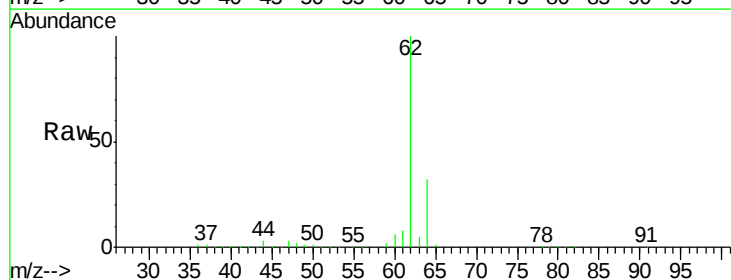
Acq: 16 Jul 2018 14:18

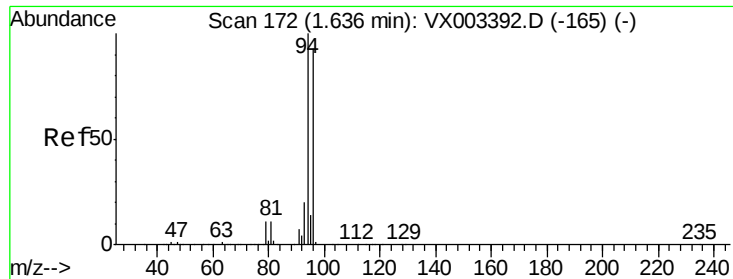
Tgt Ion: 62 Resp: 205331

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 64.66 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071618

Tot Ion: 94 Resp: 99582

Ion Ratio Lower Upper

94 100

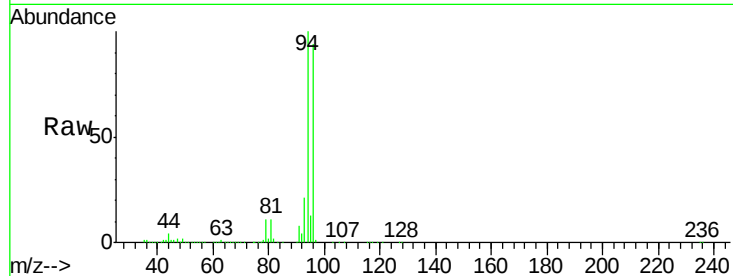
96 94.5 74.9 112.3

Manual Integrations

APPROVED

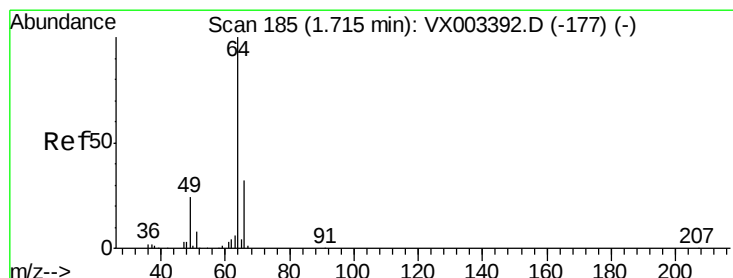
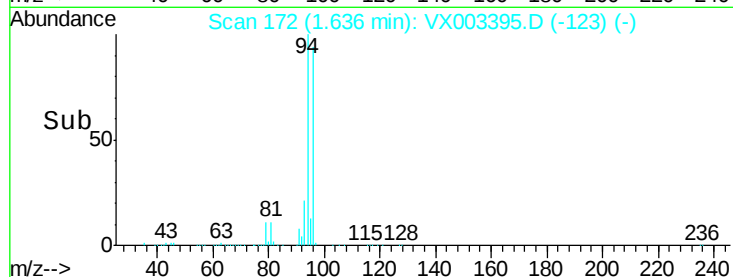
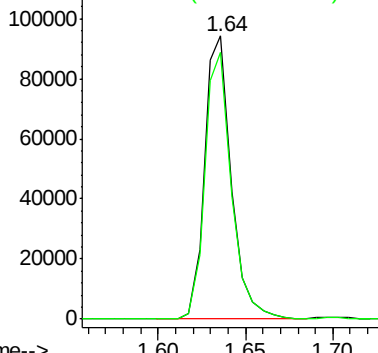
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.94 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003395.D

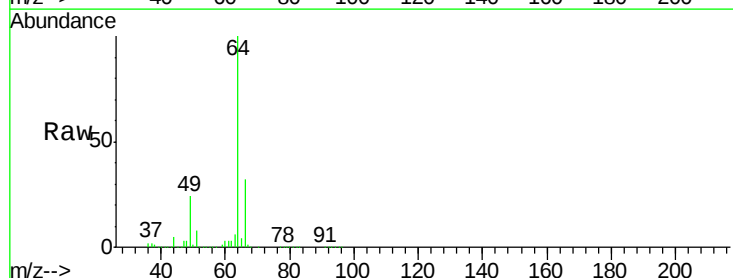
Acq: 16 Jul 2018 14:18

Tgt Ion: 64 Resp: 127286

Ion Ratio Lower Upper

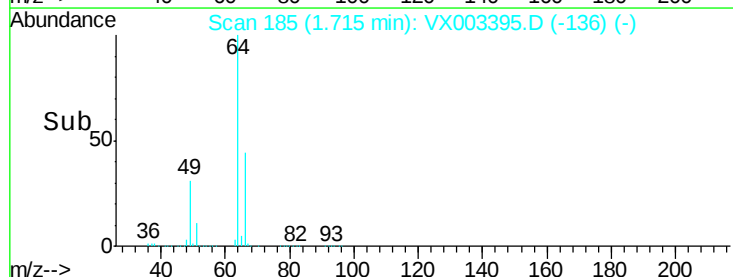
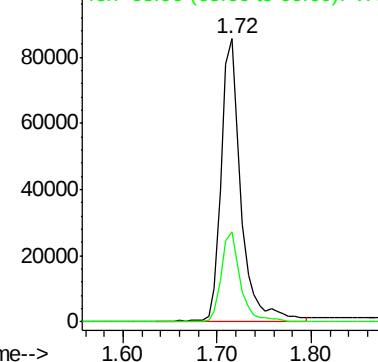
64 100

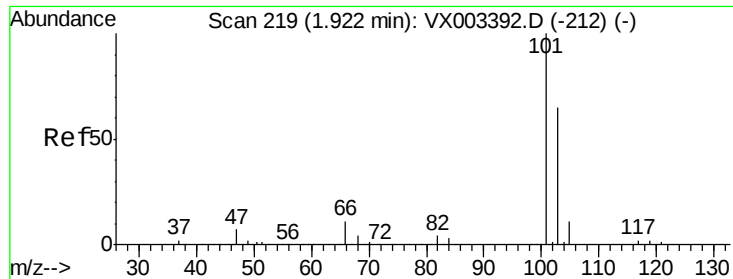
66 31.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

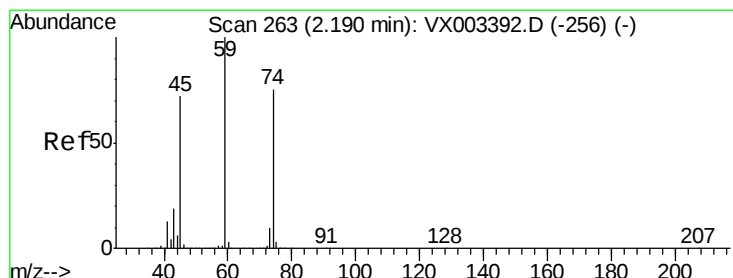
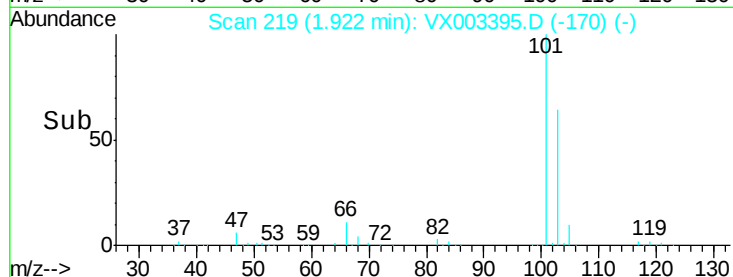
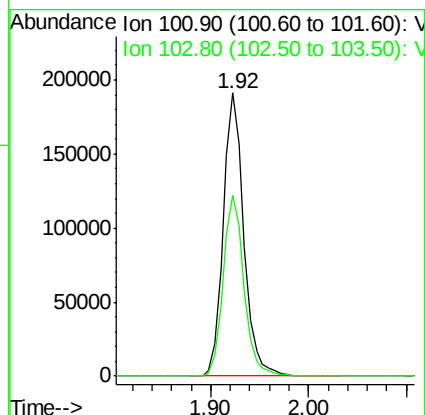
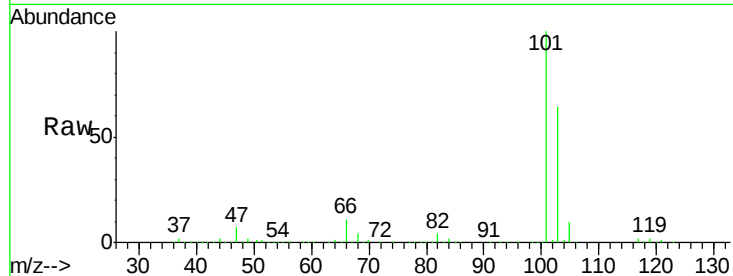
Trichlorofluoromethane
Concen: 45.62 ug/l
RT: 1.92 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

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ClientSampleId :
ICVVX071618

Tot Ion:101 Resp: 278629
Ion Ratio Lower Upper
101 100
103 64.0 52.8 79.2

Manual Integrations
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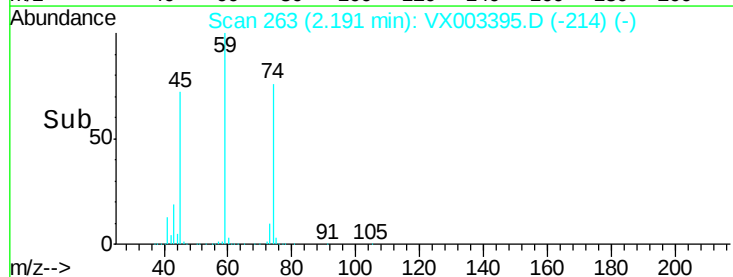
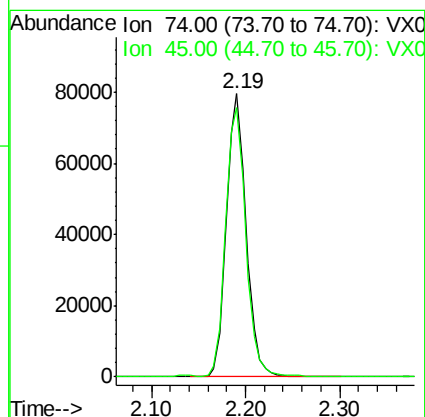
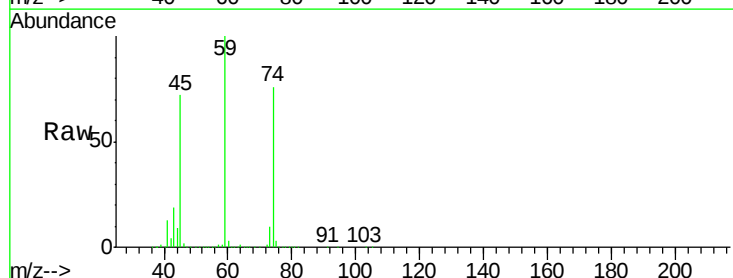
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7/17/2018 1:46:34 PM

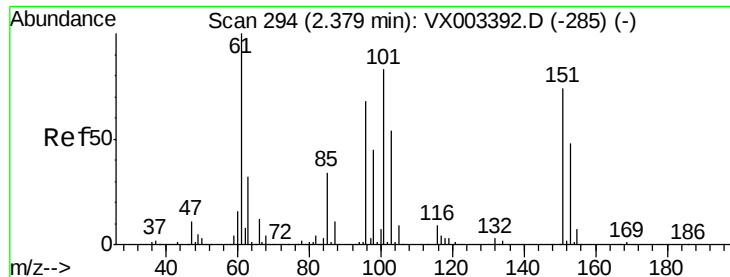


#8

Diethyl Ether
Concen: 44.20 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion: 74 Resp: 115511
Ion Ratio Lower Upper
74 100
45 96.9 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.88 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

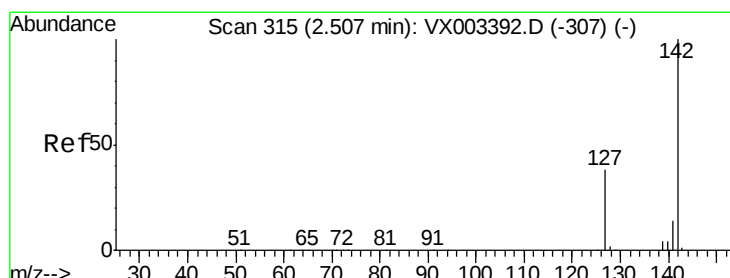
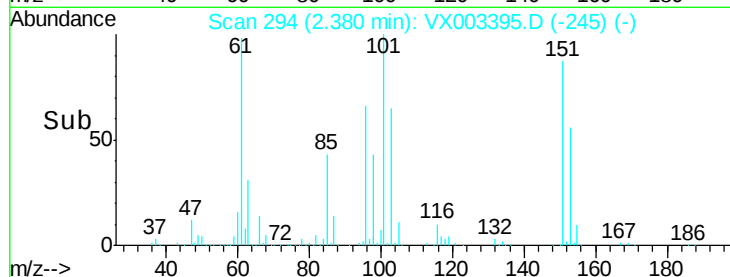
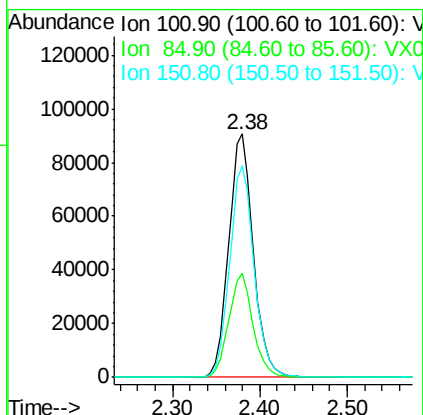
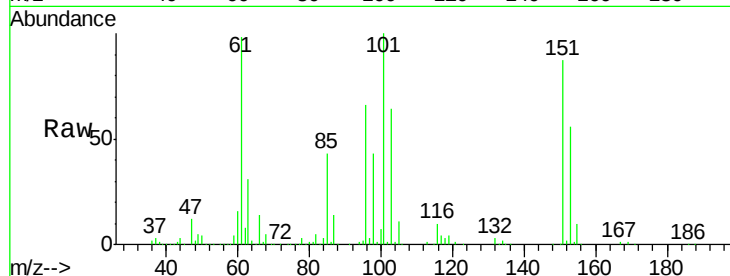
ClientSampleId :

ICVVX071618

Tot Ion:	101	Resp:	177027
Ion Ratio	Lower	Upper	
101	100		
85	41.8	36.0	54.0
151	86.7	70.9	106.3

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#10

Methyl Iodide

Concen: 42.32 ug/l

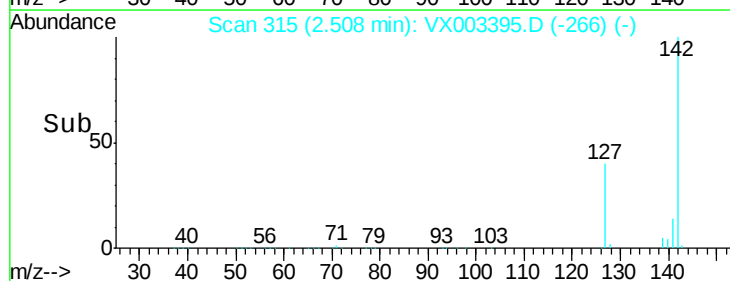
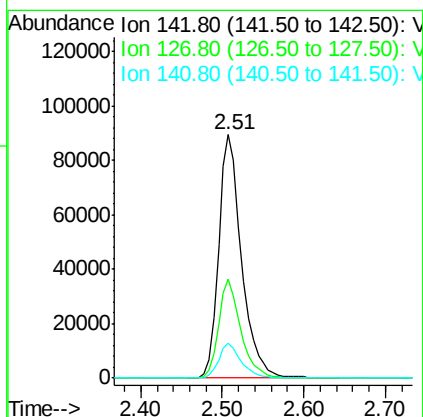
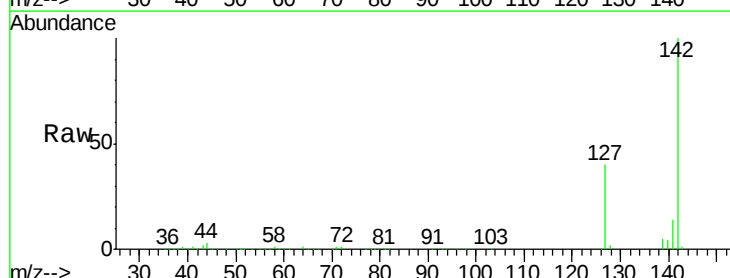
RT: 2.51 min Scan# 315

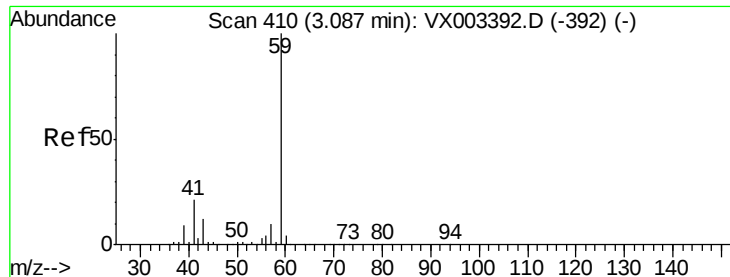
Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Tgt Ion:	142	Resp:	174682
Ion Ratio	Lower	Upper	
142	100		
127	39.6	36.6	55.0
141	14.1	11.3	16.9





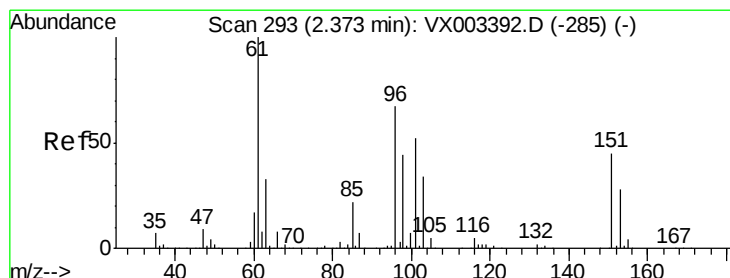
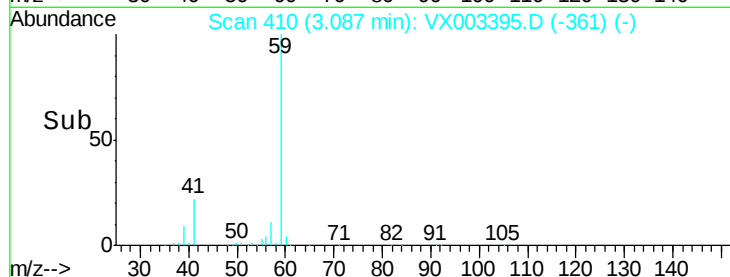
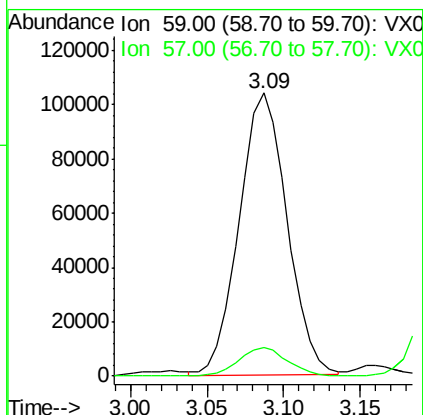
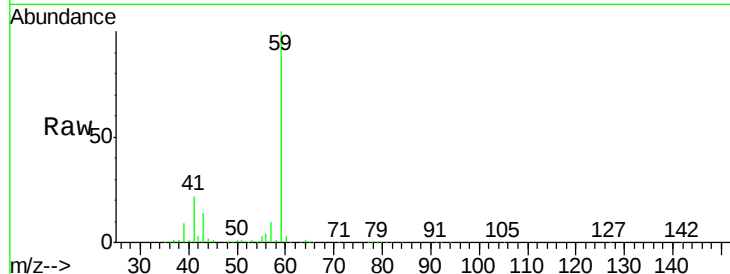
#11
Tert butyl alcohol
Concen: 222.44 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071618

Tot Ion: 59 Resp: 226599
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2

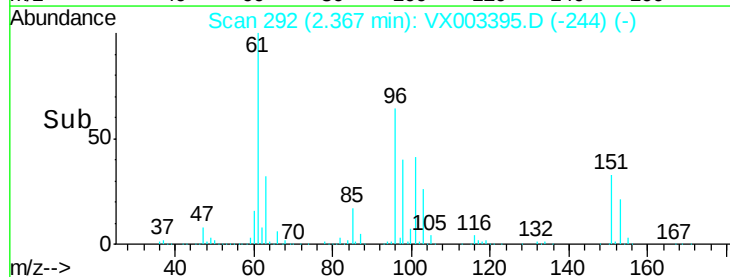
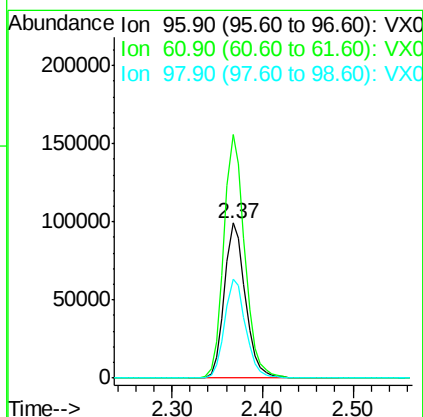
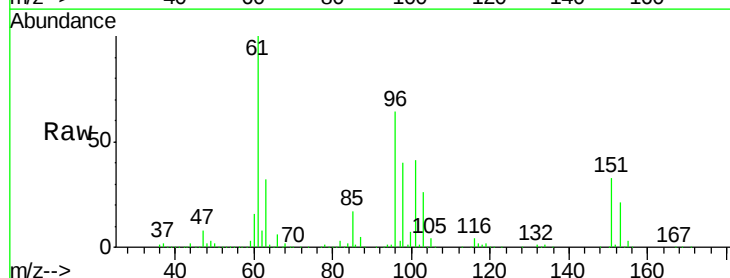
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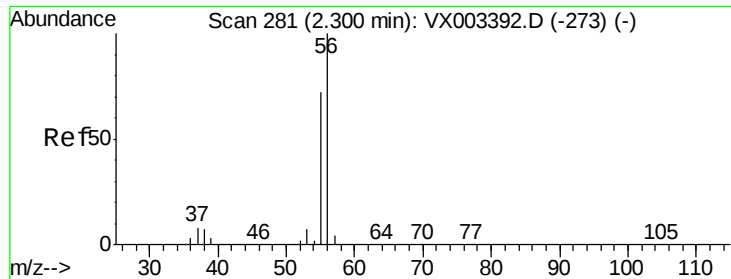
MMDadoda
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#12
1,1-Dichloroethene
Concen: 43.97 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion: 96 Resp: 160306
Ion Ratio Lower Upper
96 100
61 157.1 137.9 206.9
98 63.5 51.6 77.4





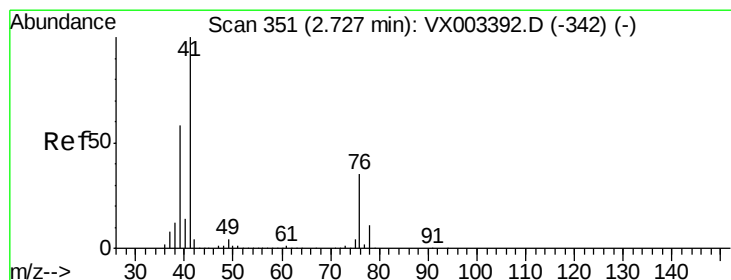
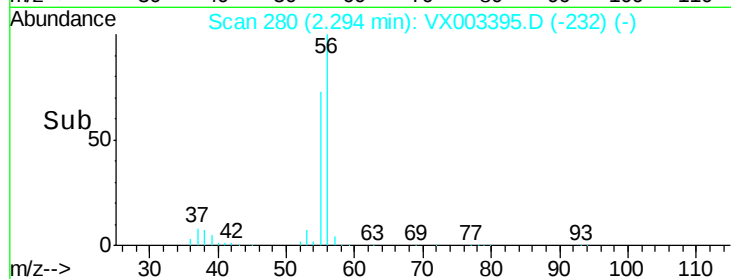
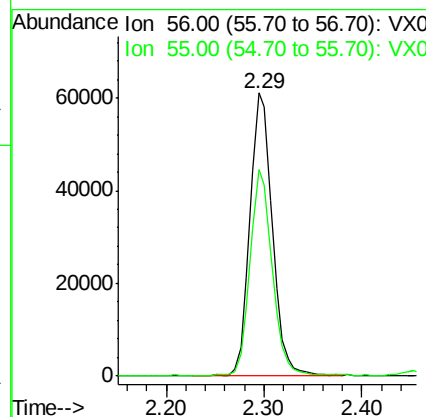
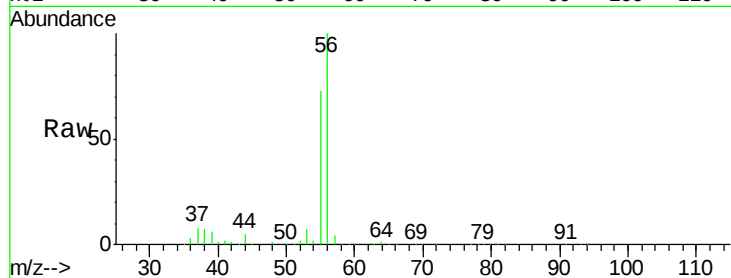
#13
Acrolein
Concen: 200.35 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071618

Tot Ion	56	Resp	97904
Ion Ratio	100	Lower	Upper
55	71.3	57.0	85.4

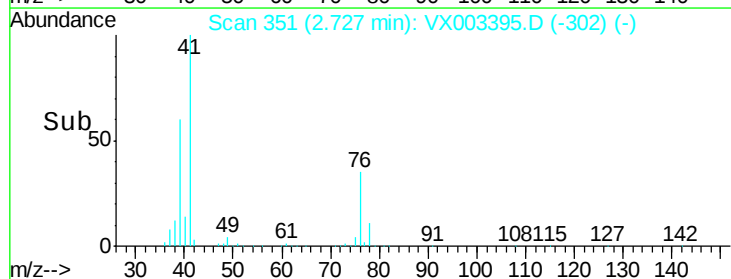
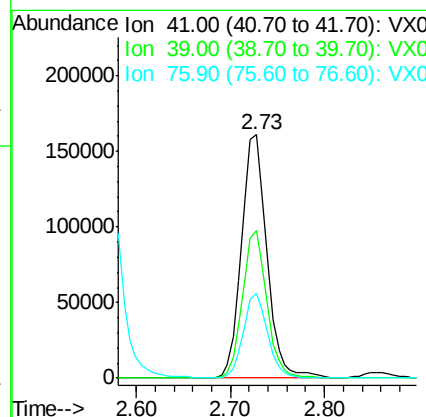
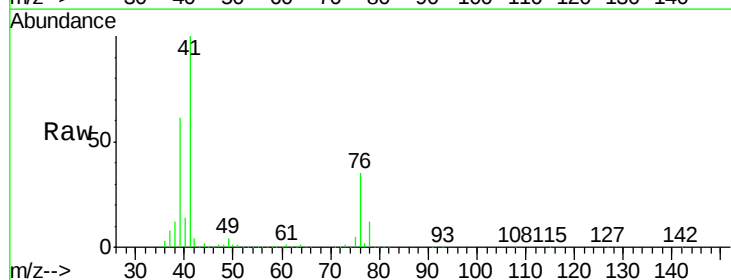
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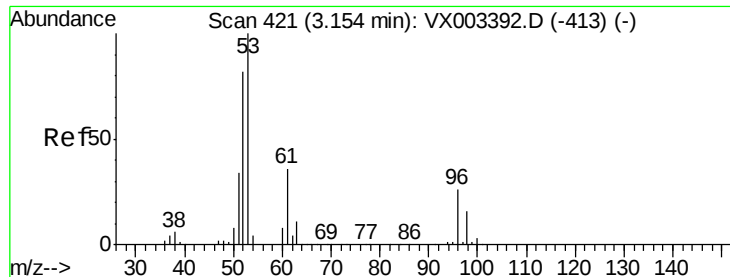
MMDadoda
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#14
Allyl chloride
Concen: 45.65 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion	41	Resp	301933
Ion Ratio	100	Lower	Upper
39	58.1	56.8	85.2
76	33.3	23.8	35.8





#15

Acrylonitrile

Concen: 221.80 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

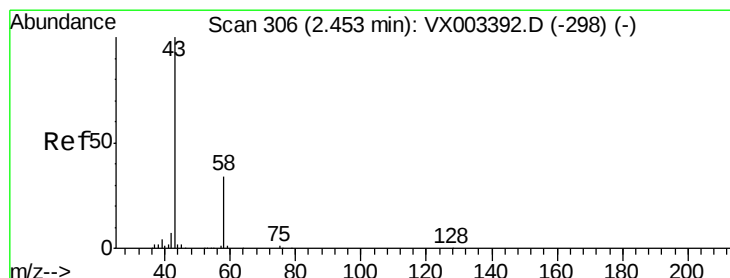
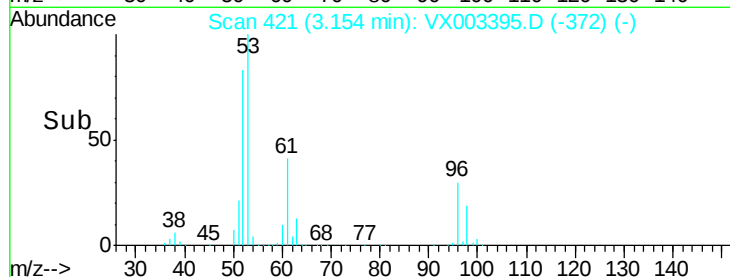
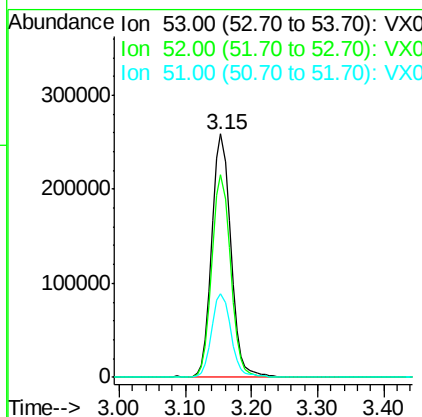
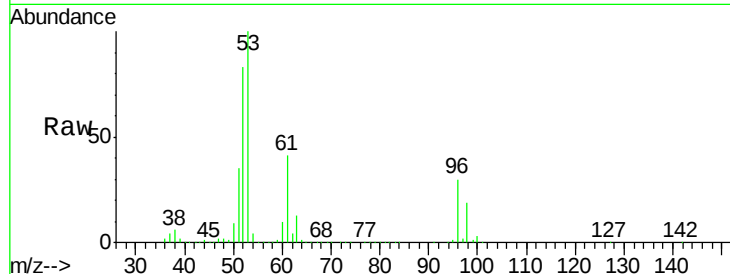
ClientSampleId :

ICVVX071618

Tot Ion:	53	Resp:	517664
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.7	100.1
51	35.2	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 225.11 ug/l

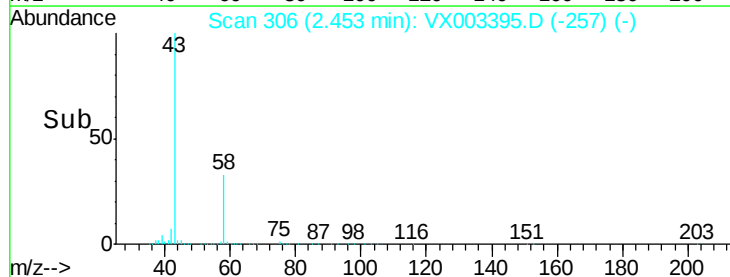
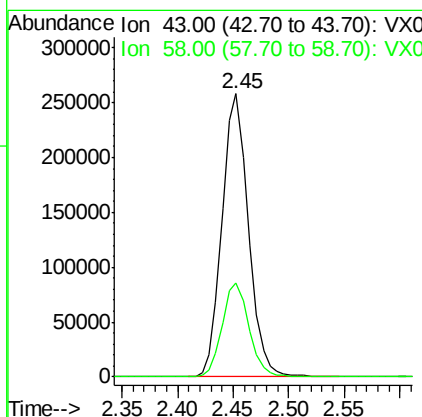
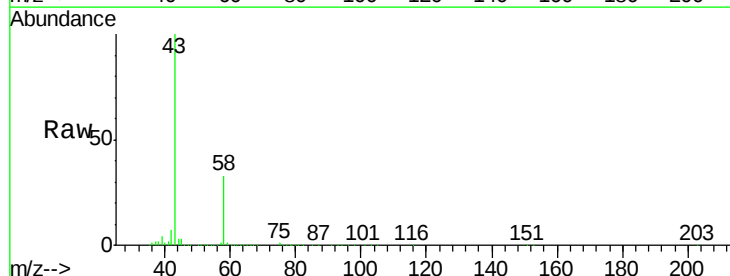
RT: 2.45 min Scan# 306

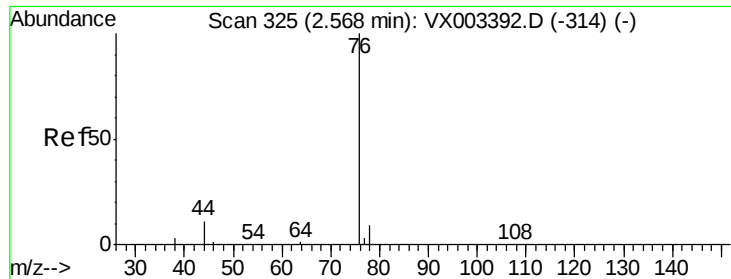
Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Tgt Ion:	43	Resp:	424127
Ion Ratio	Lower	Upper	
43	100		
58	33.2	22.1	33.1#





#17

Carbon Disulfide

Concen: 44.25 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071618

Tot Ion: 76 Resp: 442732

Ion Ratio Lower Upper

76 100

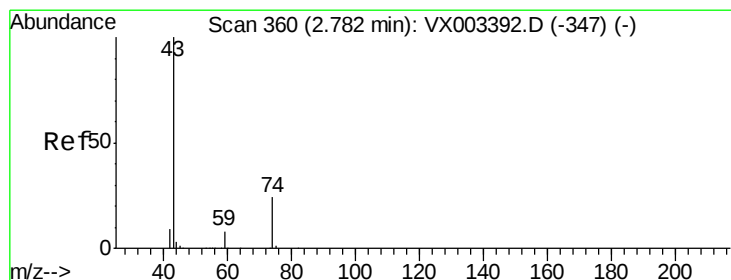
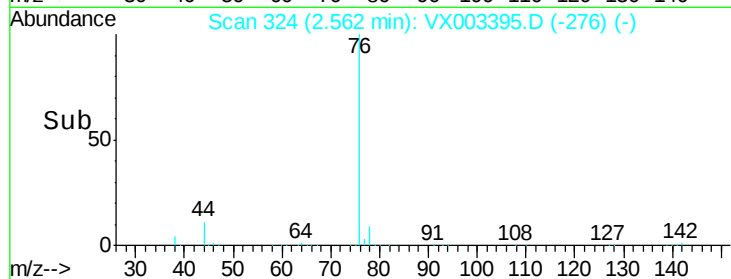
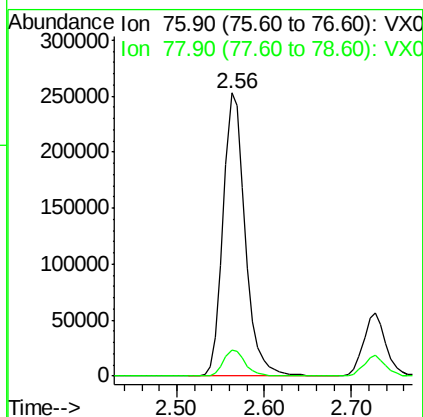
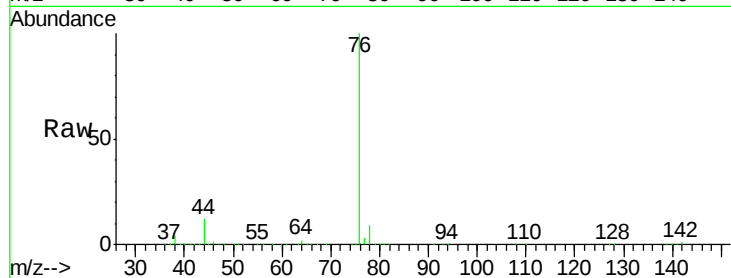
78 9.2 6.9 10.3

Manual Integrations

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#18

Methyl Acetate

Concen: 48.78 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003395.D

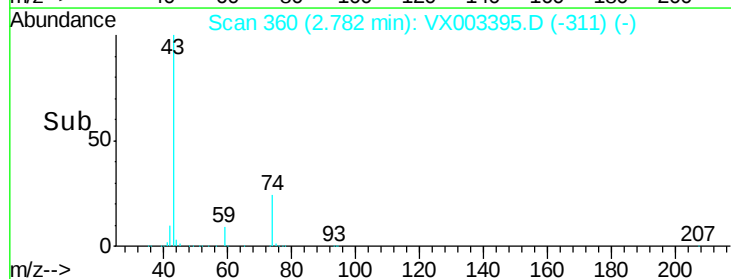
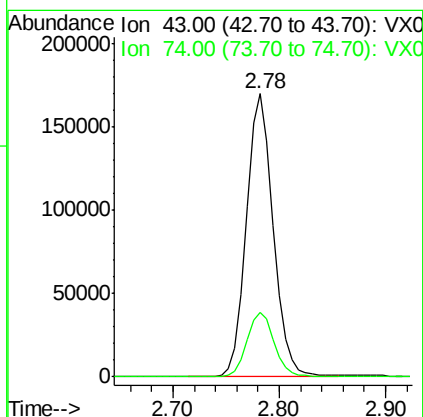
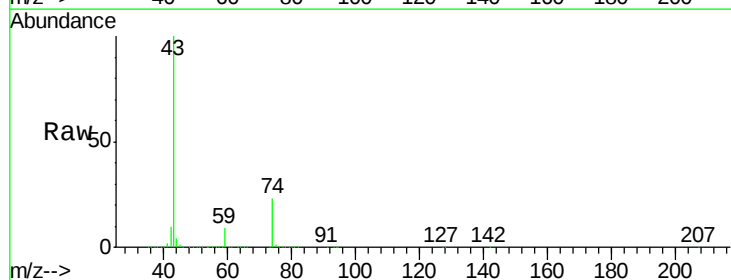
Acq: 16 Jul 2018 14:18

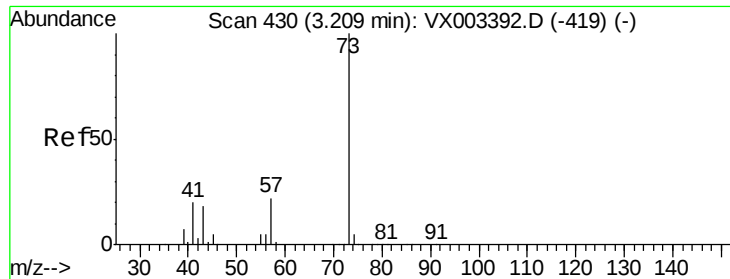
Tgt Ion: 43 Resp: 299375

Ion Ratio Lower Upper

43 100

74 23.6 16.7 25.1





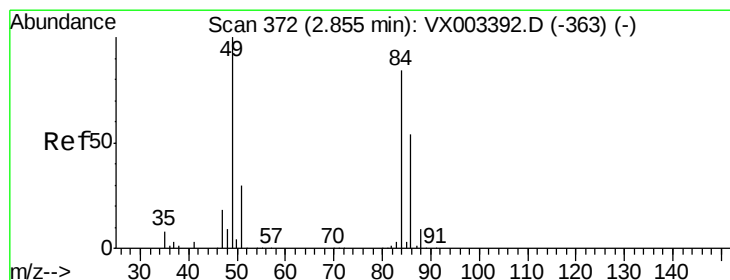
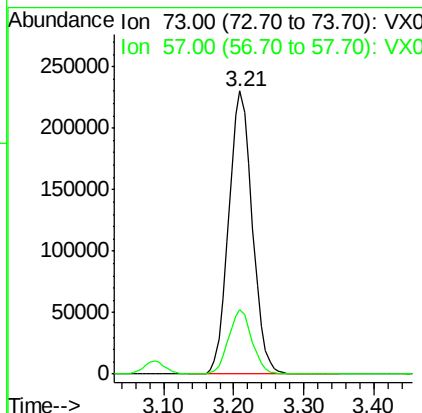
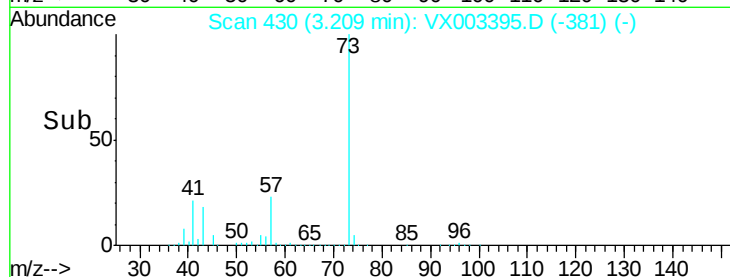
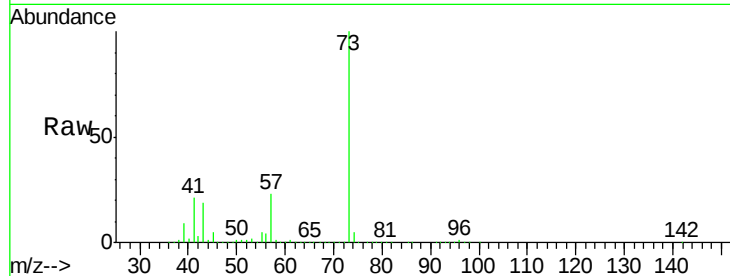
#19
Methvl tert-butvl Ether
Concen: 44.62 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071618

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.7	26.5

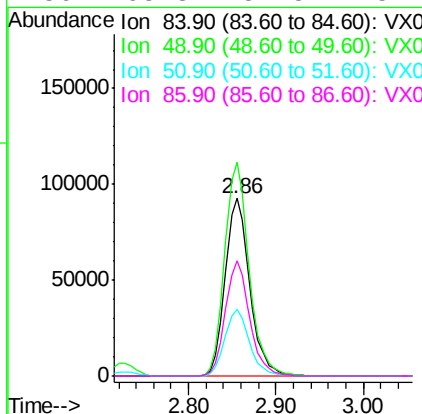
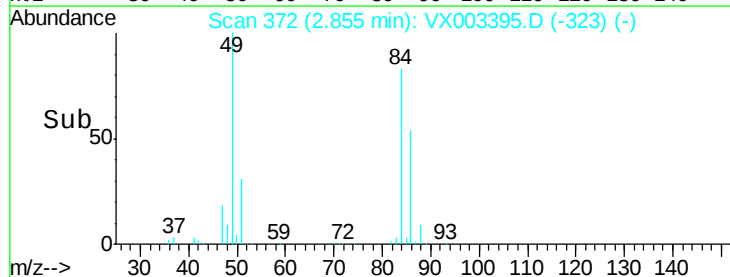
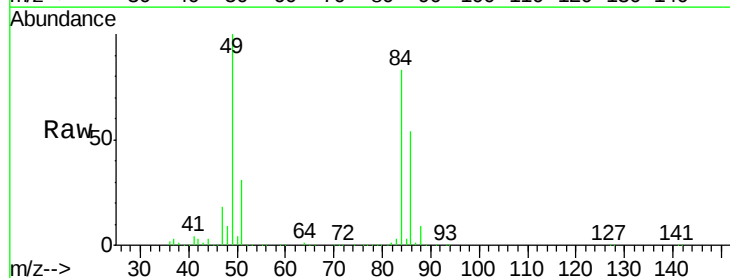
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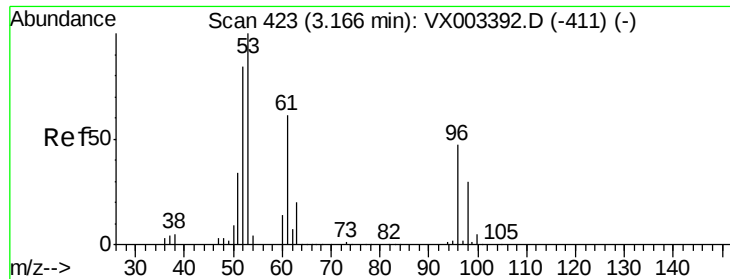
MMDadoda
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#20
Methylene Chloride
Concen: 53.59 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.4	107.8	161.6
51	37.3	32.8	49.2
86	65.3	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 43.73 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071618

Tot Ion: 96 Resp: 172195

Ion Ratio Lower Upper

96 100

61 138.1 117.0 175.4

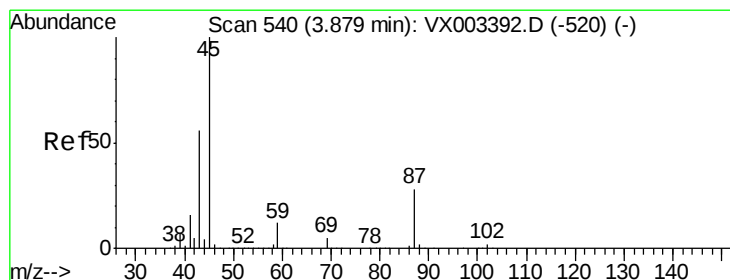
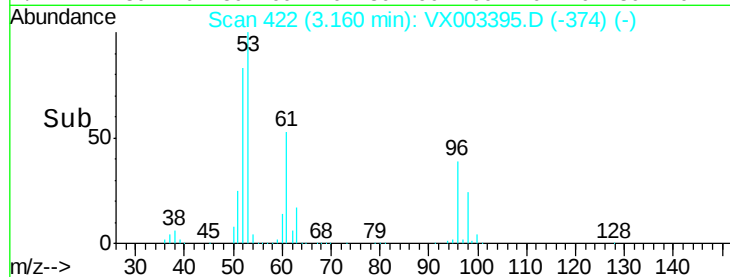
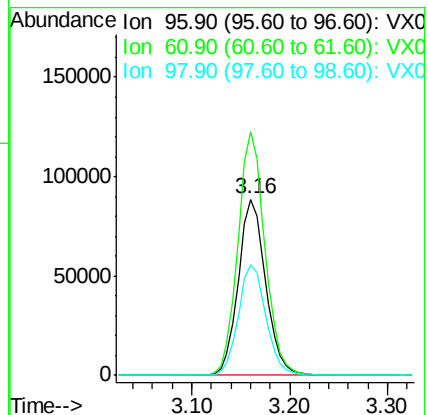
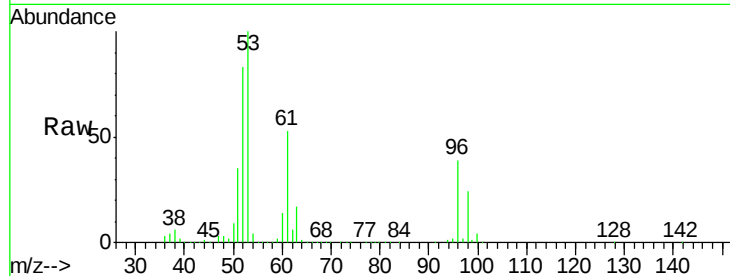
98 63.1 52.4 78.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 43.77 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Tgt Ion: 45 Resp: 561505

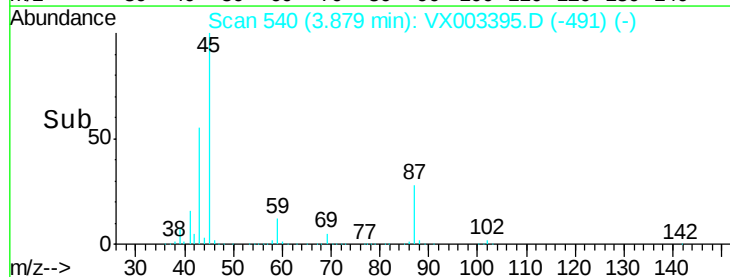
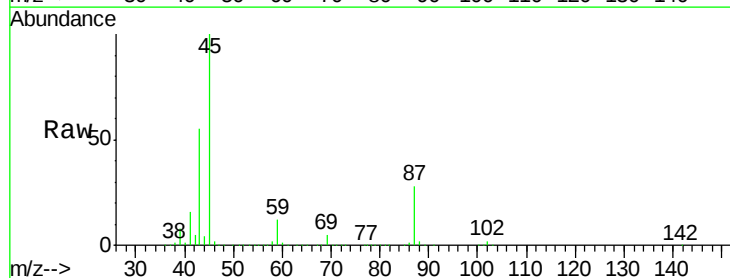
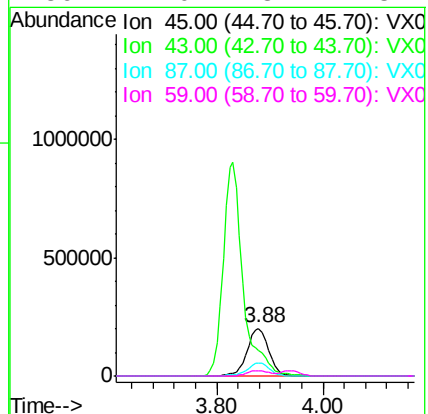
Ion Ratio Lower Upper

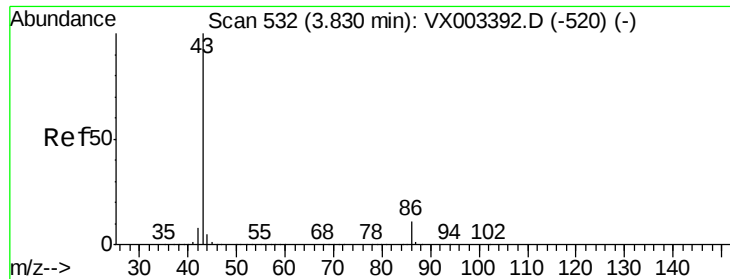
45 100

43 54.5 46.8 70.2

87 28.1 20.2 30.4

59 12.0 8.7 13.1





#23

Vinyl Acetate

Concen: 222.75 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071618

Tot Ion: 43 Resp: 2356841

Ion Ratio Lower Upper

43 100

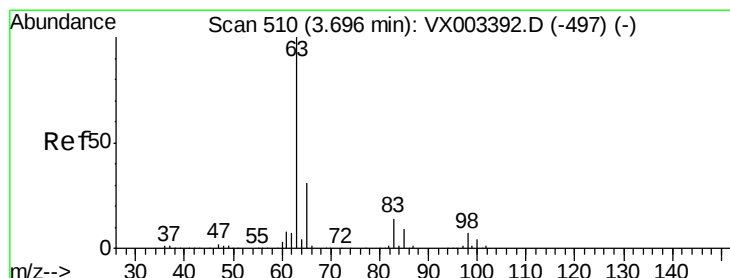
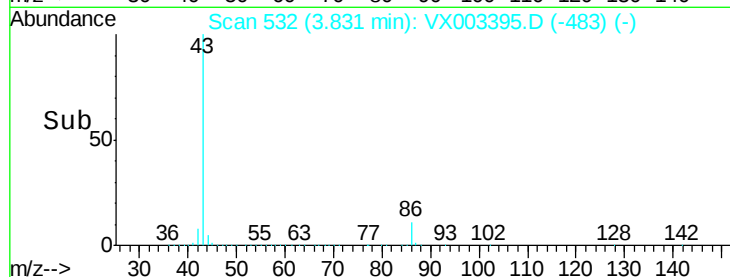
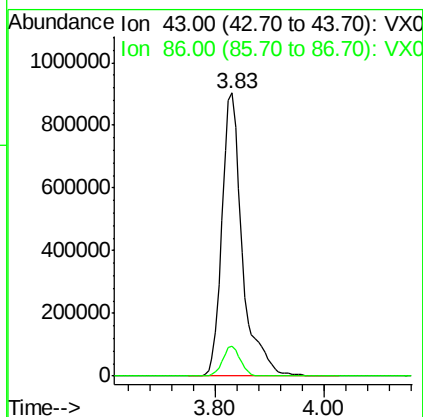
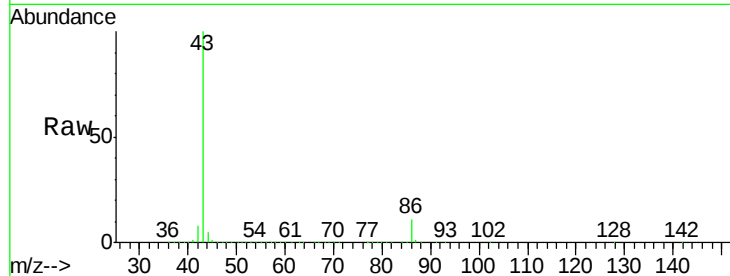
86 10.6 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 43.72 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

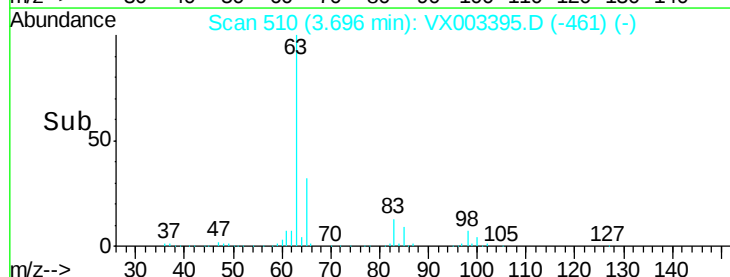
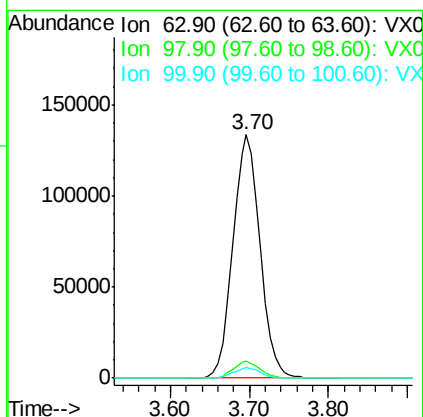
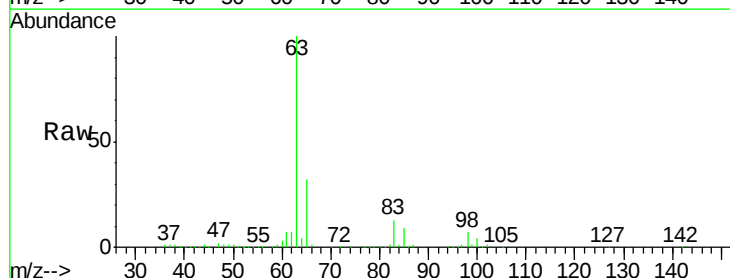
Tgt Ion: 63 Resp: 318212

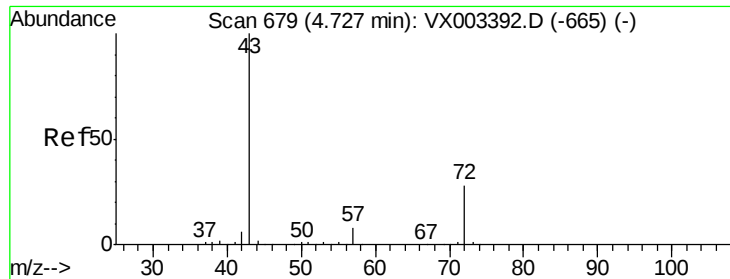
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 225.17 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071618

Tot Ion: 43 Resp: 663945

Ion Ratio Lower Upper

43 100

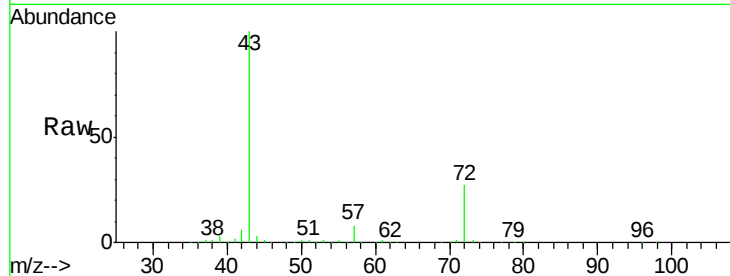
72 26.6 18.5 27.7

Manual Integrations

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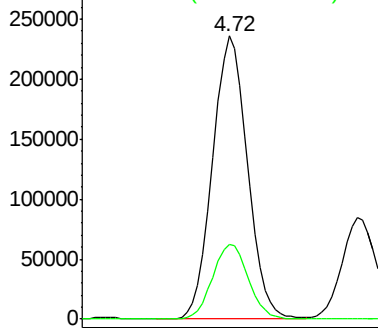
MMDadoda

7/17/2018 1:46:34 PM

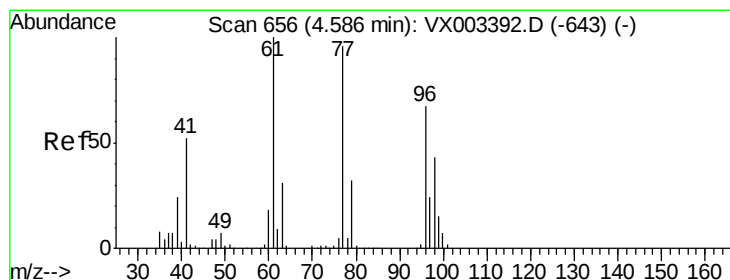
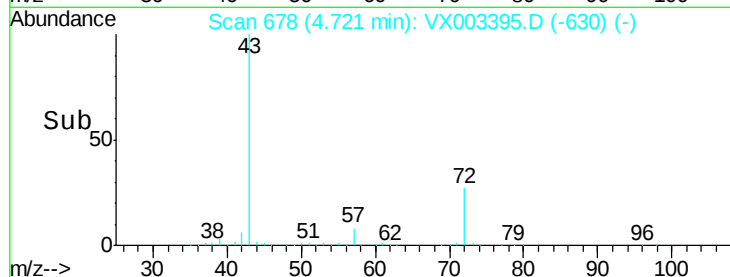


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#26

2,2-Dichloropropane

Concen: 47.85 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003395.D

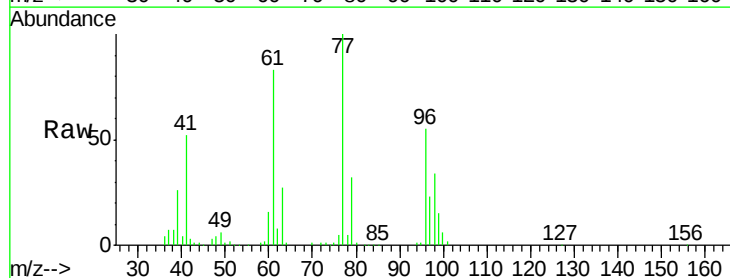
Acq: 16 Jul 2018 14:18

Tgt Ion: 77 Resp: 244458

Ion Ratio Lower Upper

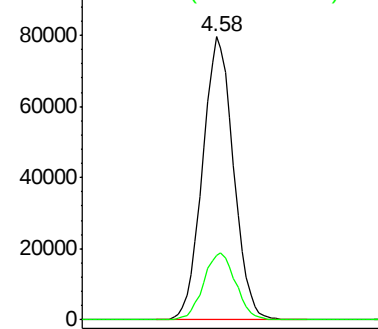
77 100

97 24.5 11.2 33.5

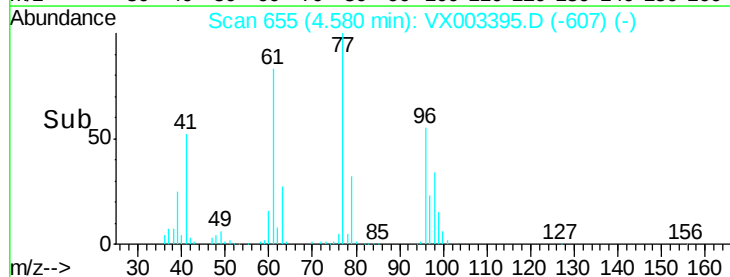


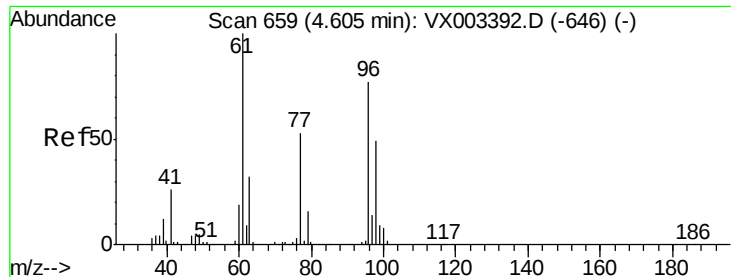
Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



Time-->





#27

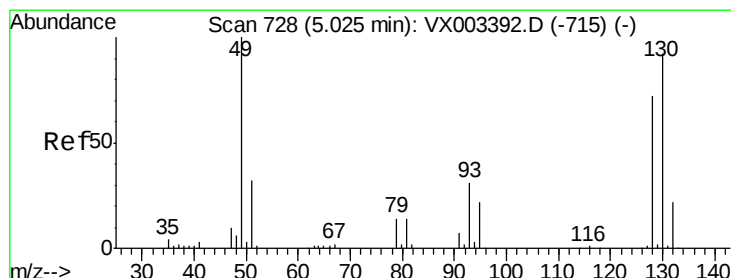
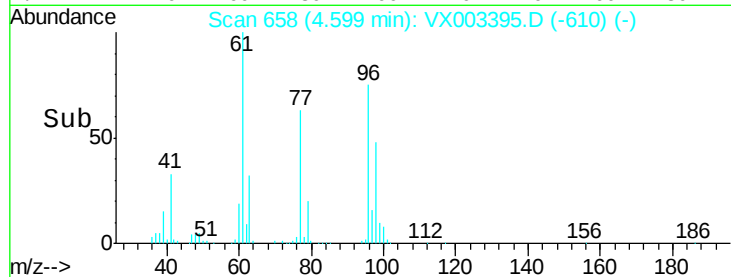
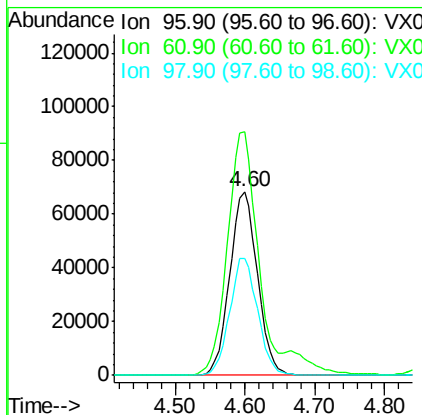
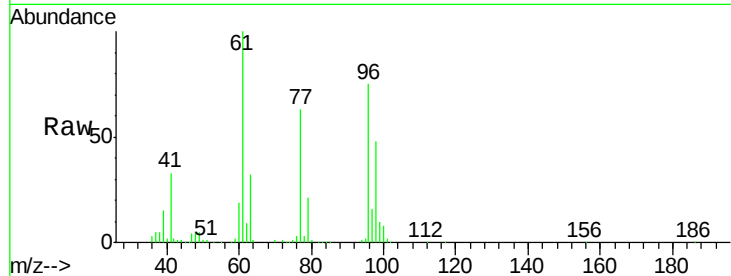
cis-1,2-Dichloroethene
Concen: 44.51 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071618

Tot Ion	Ratio	Resp	Lower	Upper
96	100	188592		
61	142.6	0.0	330.2	
98	64.3	0.0	130.2	

Manual Integrations
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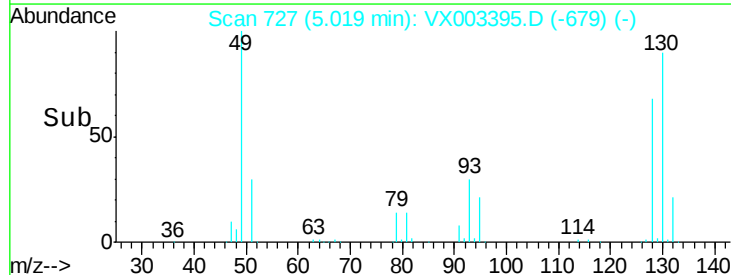
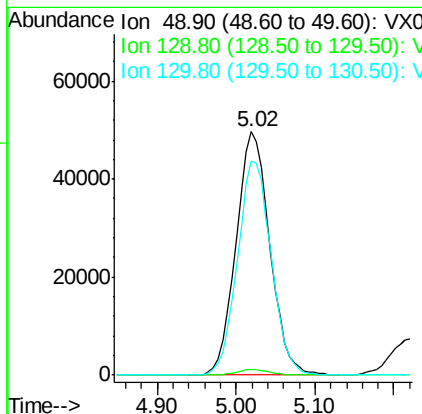
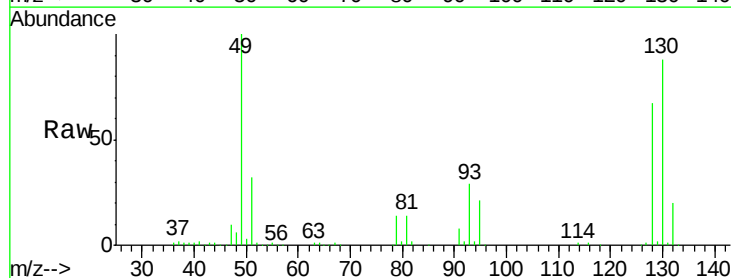
MMDadoda
7/17/2018 1:46:34 PM

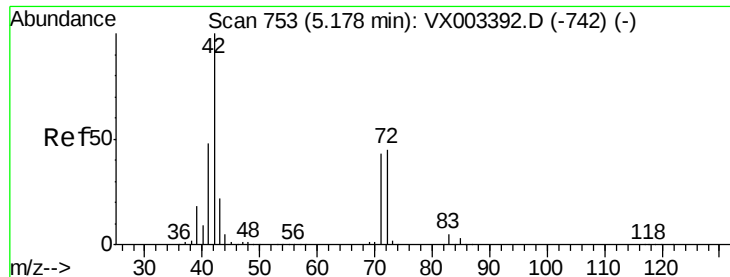


#28

Bromochloromethane
Concen: 46.79 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	147850		
129	2.3	0.0	4.2	
130	88.2	61.2	91.8	





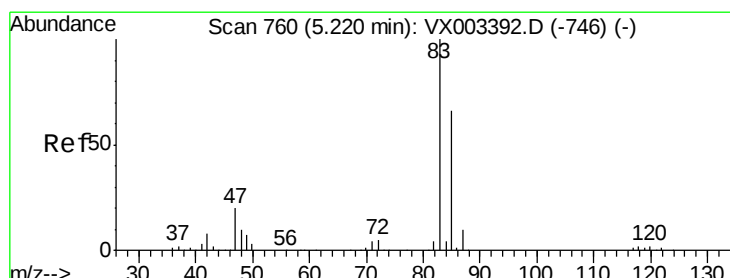
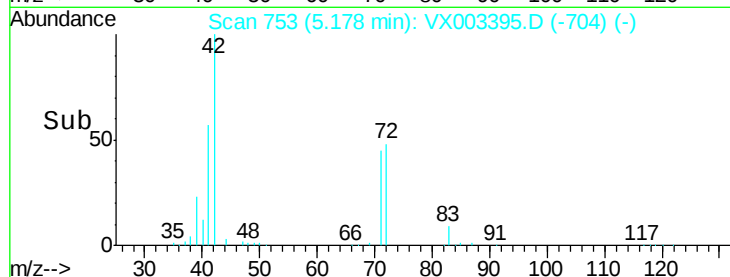
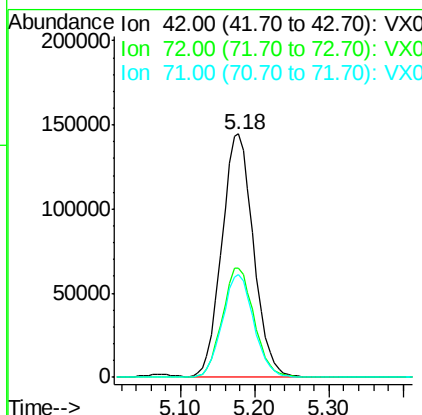
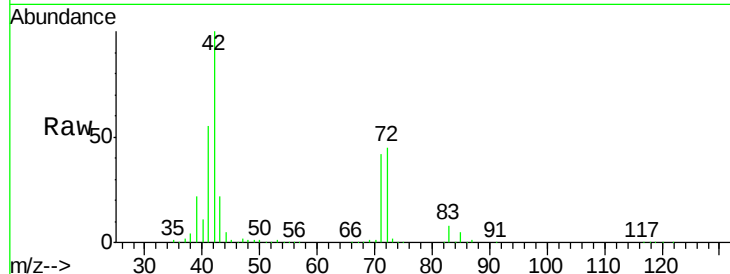
#29
Tetrahydrofuran
Concen: 228.47 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071618

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	32.0	48.0
71	42.1	30.1	45.1

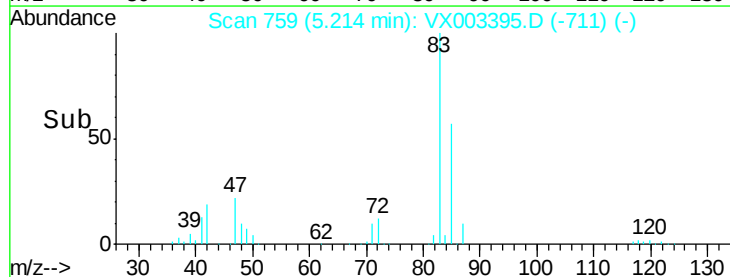
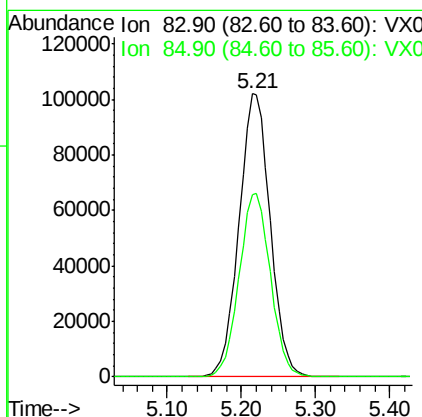
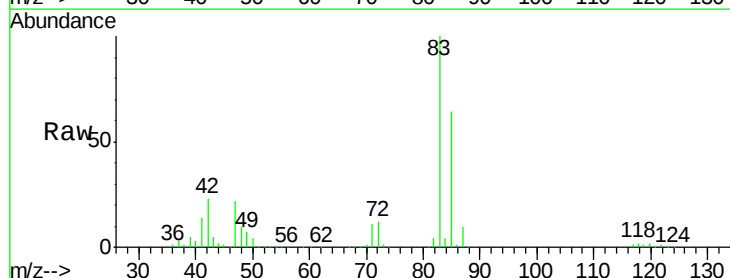
Manual Integrations
APPROVED

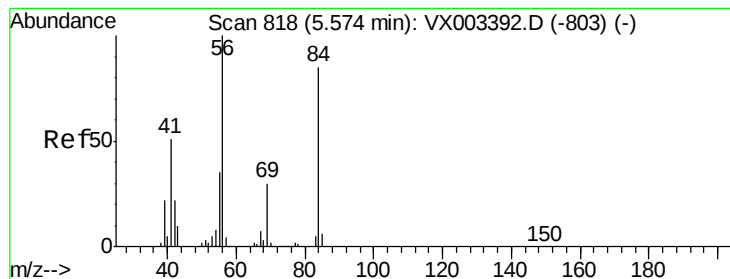
MMDadoda
7/17/2018 1:46:34 PM



#30
Chloroform
Concen: 44.66 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.4	75.6





#31

Cyclohexane

Concen: 46.90 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

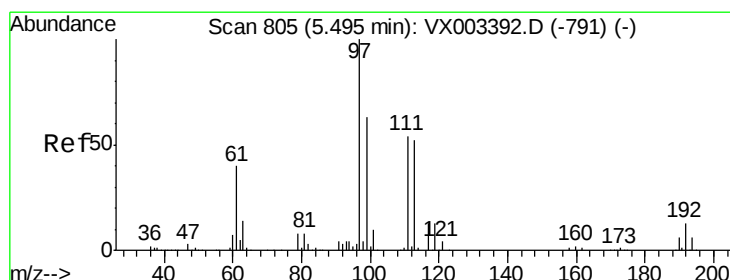
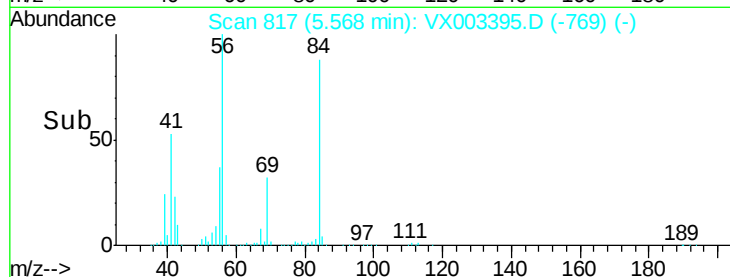
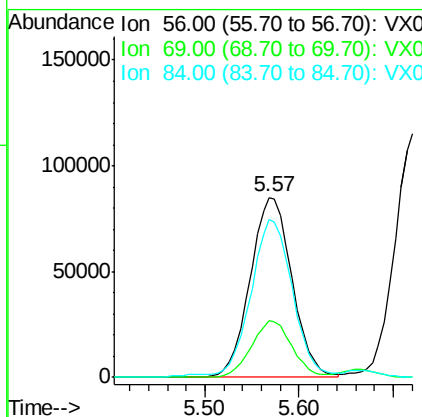
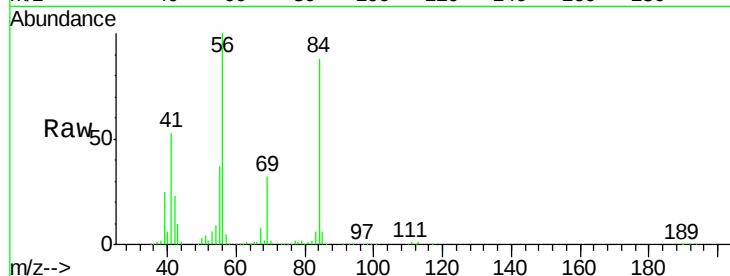
ClientSampleId :

ICVX071618

Tot Ion:	56	Resp:	263593
Ion	Ratio	Lower	Upper
56	100		
69	31.6	23.7	35.5
84	86.4	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 45.50 ug/l

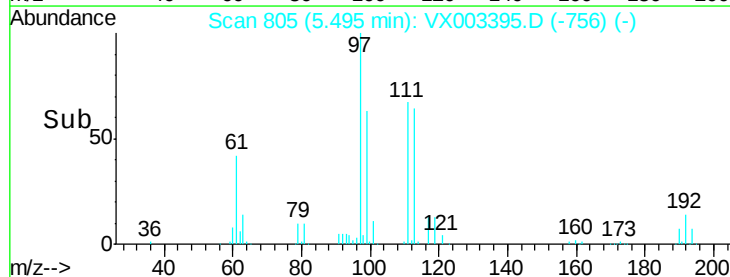
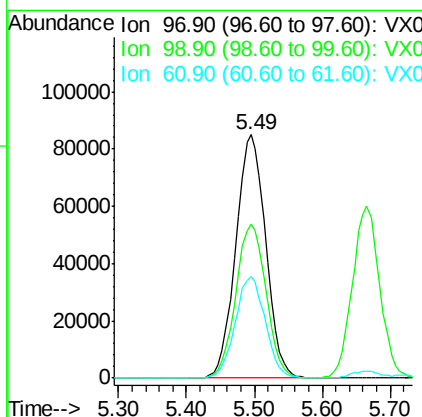
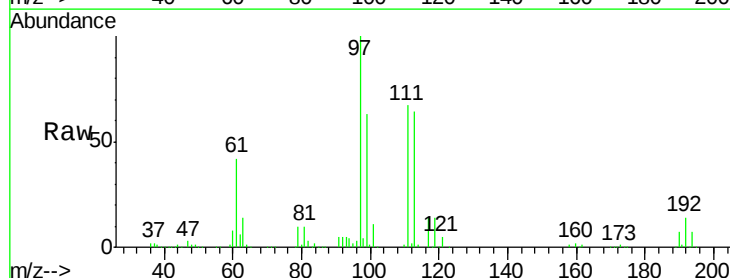
RT: 5.49 min Scan# 805

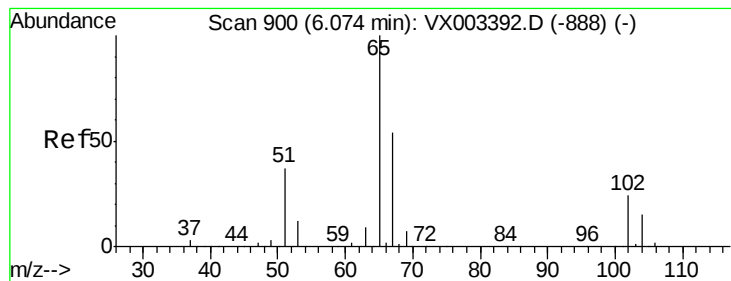
Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Tgt Ion:	97	Resp:	259528
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	41.9	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 46.67 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071618

Tot Ion: 65 Resp: 211428

Ion Ratio Lower Upper

65 100

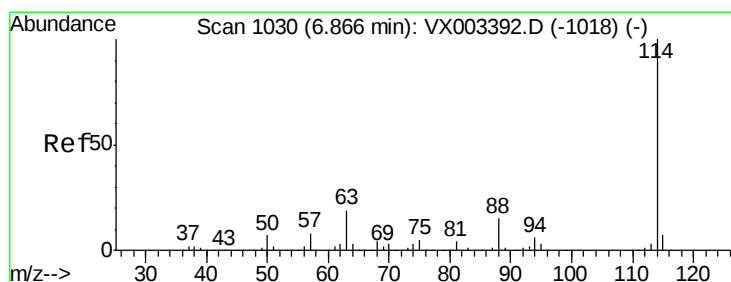
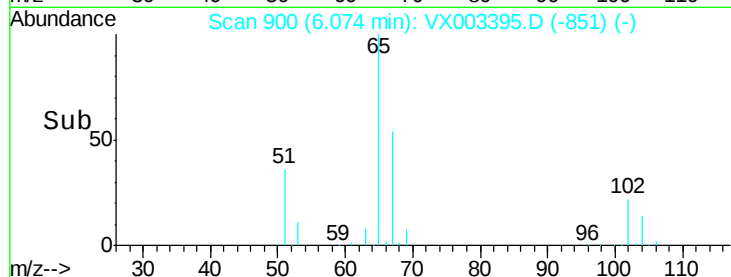
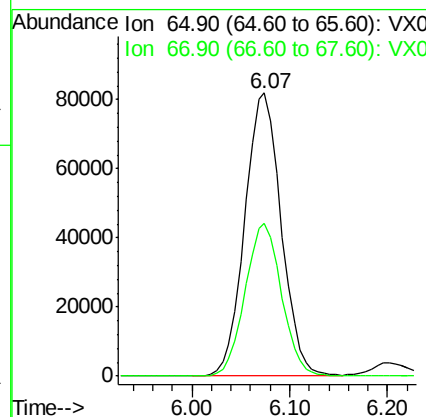
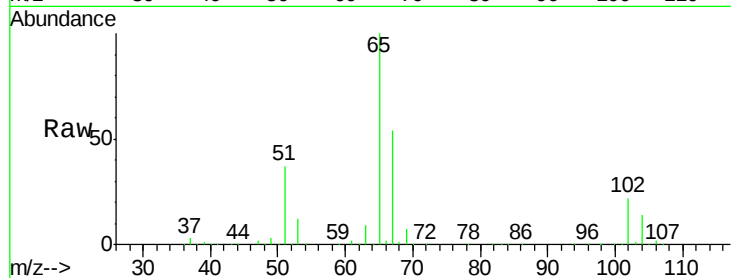
67 54.1 0.0 102.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

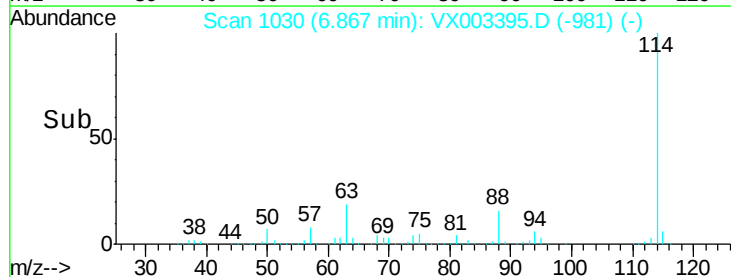
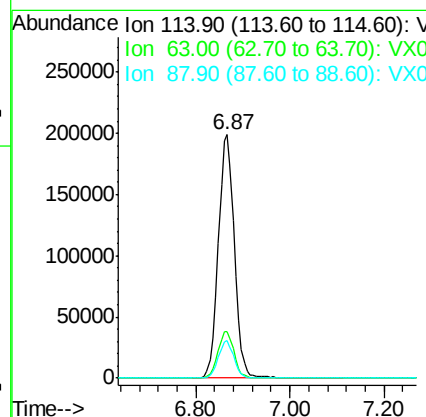
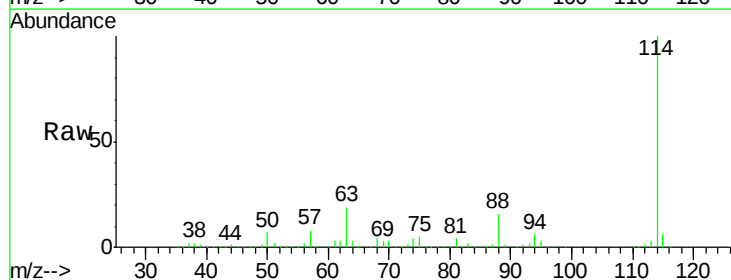
Tgt Ion: 114 Resp: 467368

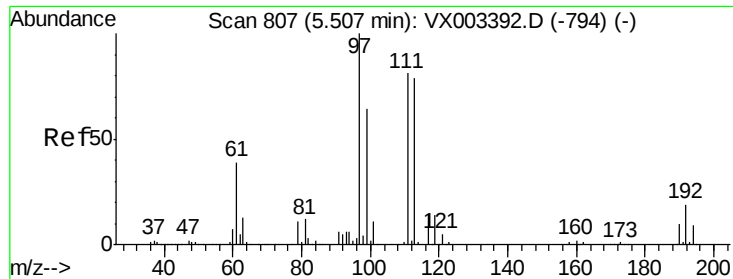
Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.4

88 15.6 0.0 30.0





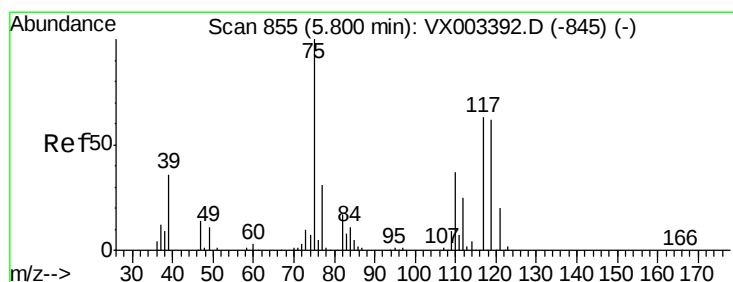
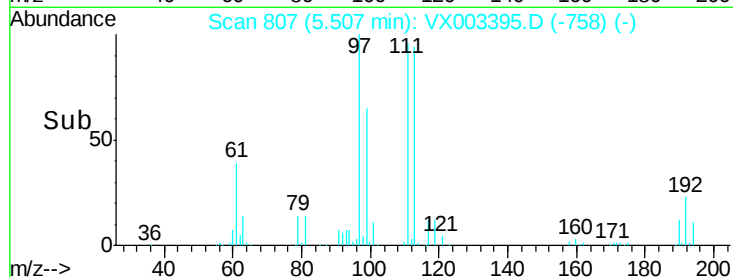
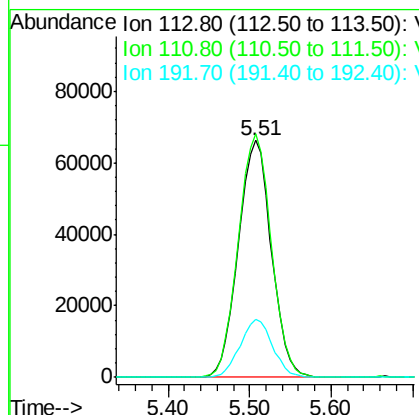
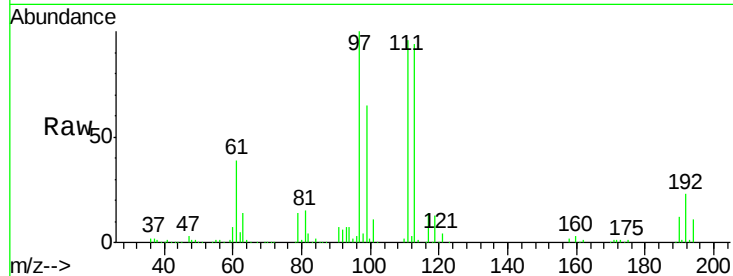
#35
Dibromofluoromethane
Concen: 49.15 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Instrument :
MSVOA_X
ClientSampled :
ICVVX071618

Tot Ion	Ratio	Resp	Lower	Upper
113	100	185854		
111	103.0	81.4	122.0	
192	24.1	19.1	28.7	

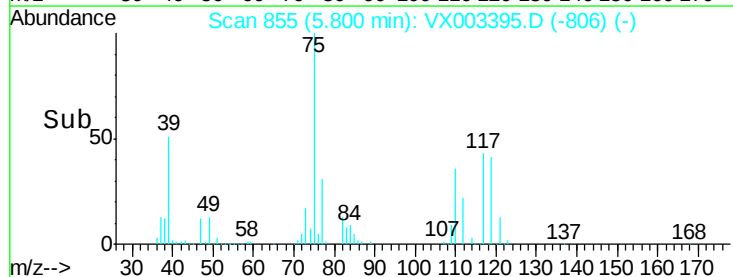
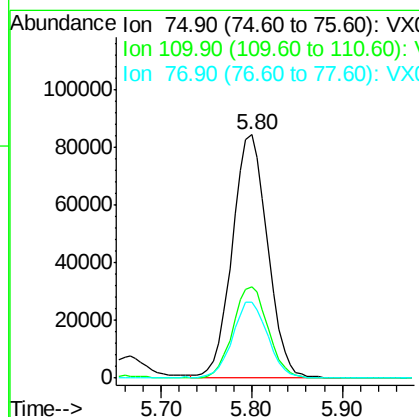
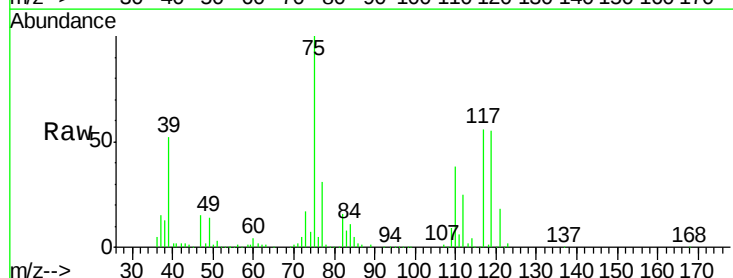
Manual Integrations
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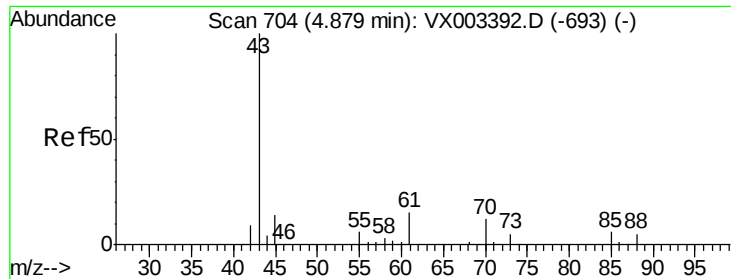
MMDadoda
7/17/2018 1:46:34 PM



#36
1,1-Dichloropropene
Concen: 48.25 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	228356		
110	37.9	18.1	54.4	
77	31.3	24.3	36.5	





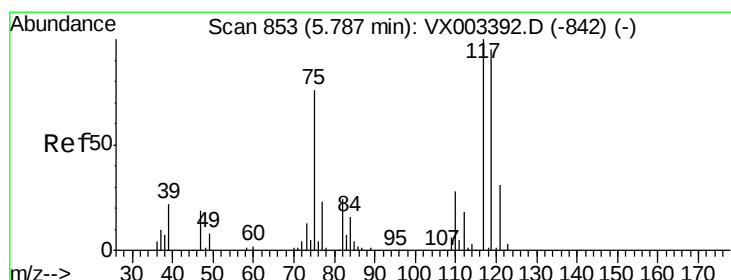
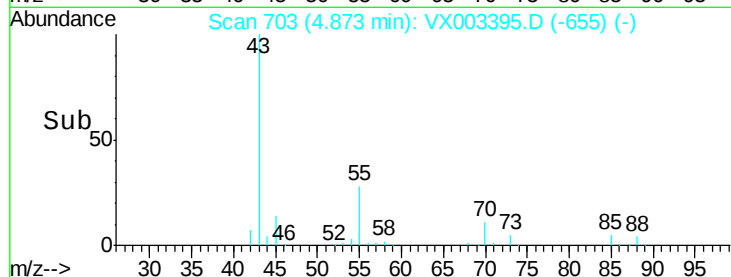
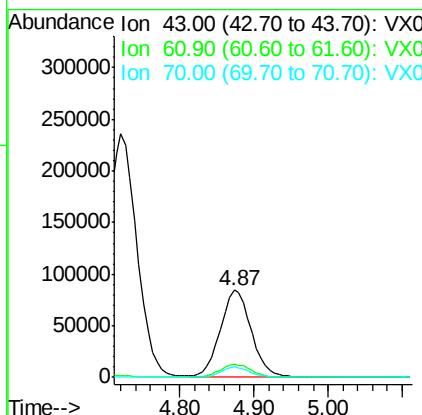
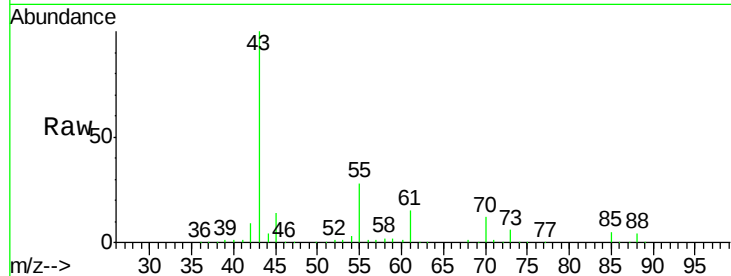
#37
Ethyl Acetate
Concen: 45.82 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.01 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071618

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.4	15.6
70	11.3	7.6	11.4

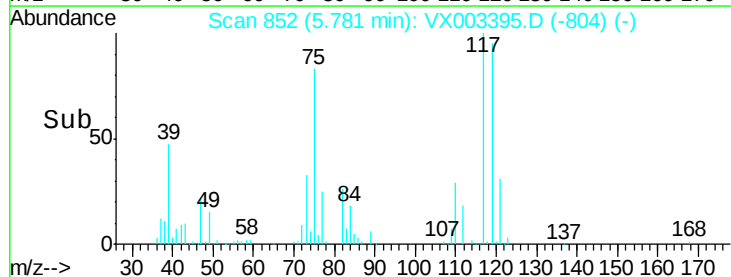
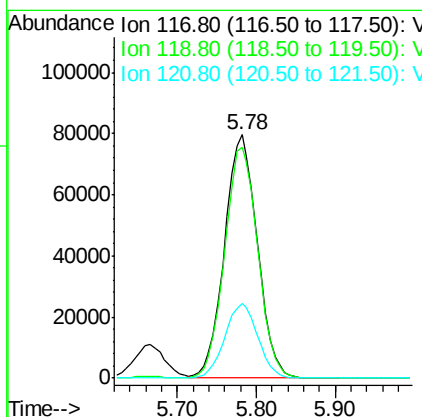
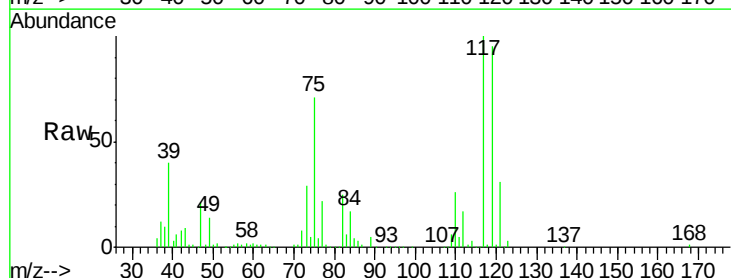
Manual Integrations
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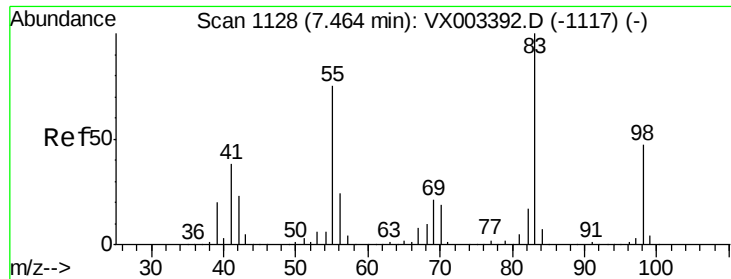
MMDadoda
7/17/2018 1:46:34 PM



#38
Carbon Tetrachloride
Concen: 47.76 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.4	116.0
121	30.9	24.4	36.6





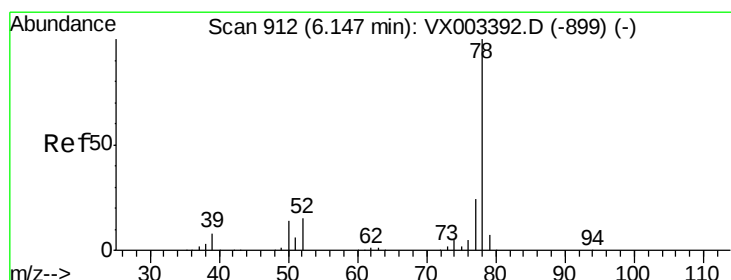
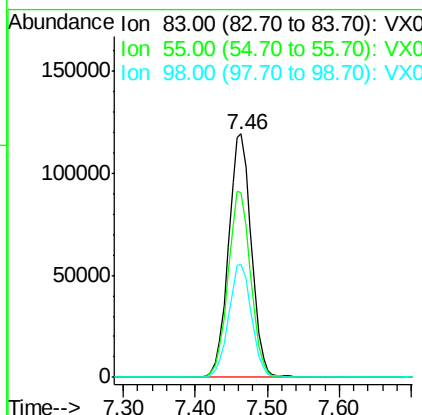
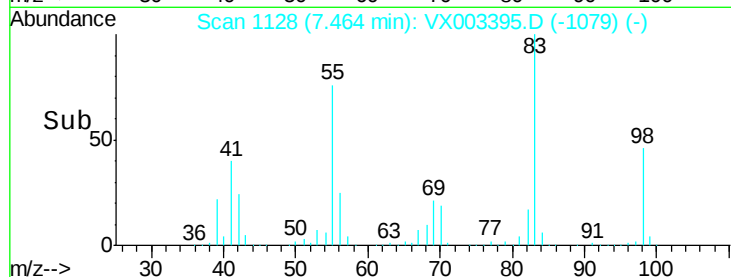
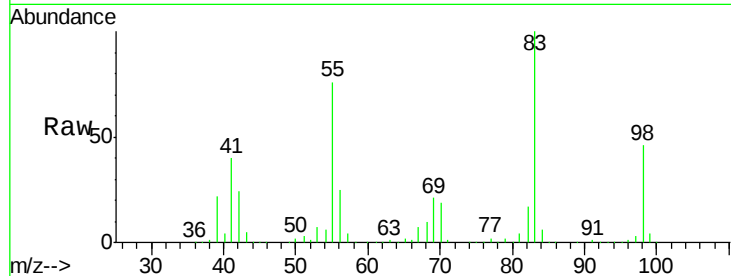
#39
Methvlcvclohexane
Concen: 48.45 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071618

Tot Ion	Ratio	Resp	Lower	Upper
83	100	262508		
55	75.8		65.4	98.0
98	46.4		37.4	56.0

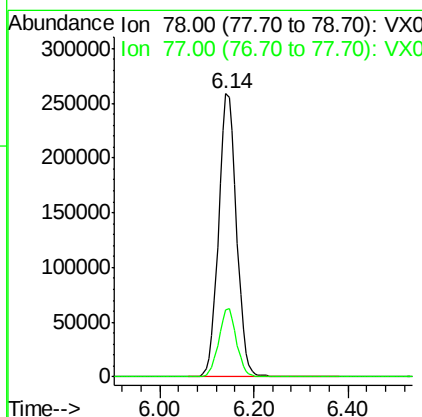
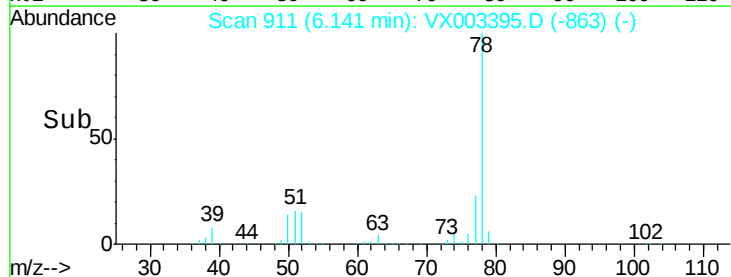
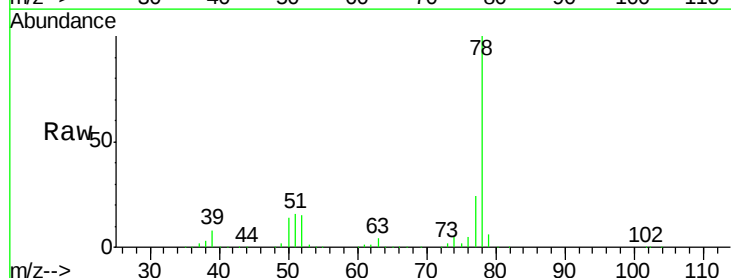
Manual Integrations
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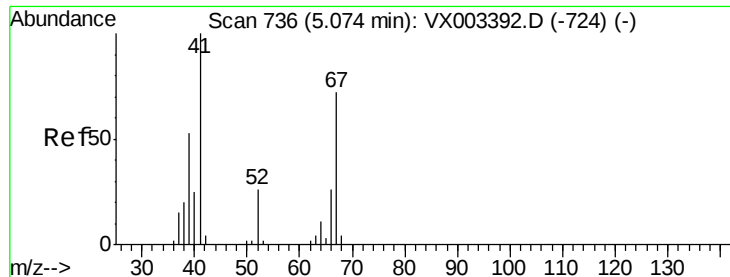
MMDadoda
7/17/2018 1:46:34 PM



#40
Benzene
Concen: 47.46 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	683363		
77	23.5		19.1	28.7





#41

Methacrylonitrile

Concen: 48.08 ug/l

RT: 5.07 min Scan# 735

Delta R.T. -0.01 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

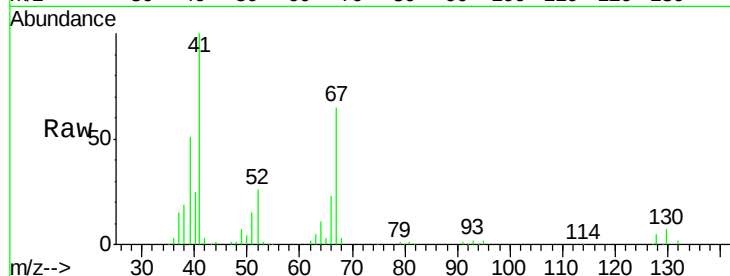
ICVVX071618

Tot Ion: 41 Resp: 141006

Ion	Ratio	Lower	Upper
41	100		
39	52.5	45.8	68.6
67	73.3	51.3	76.9
52	28.6	23.0	34.6

Manual Integrations
APPROVED

MMDadoda
7/17/2018 1:46:34 PM



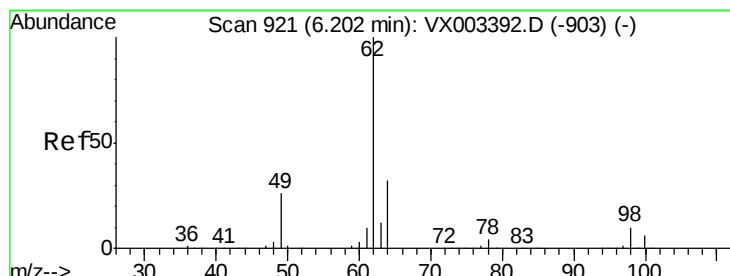
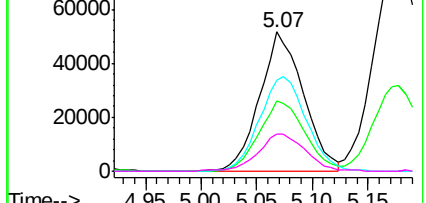
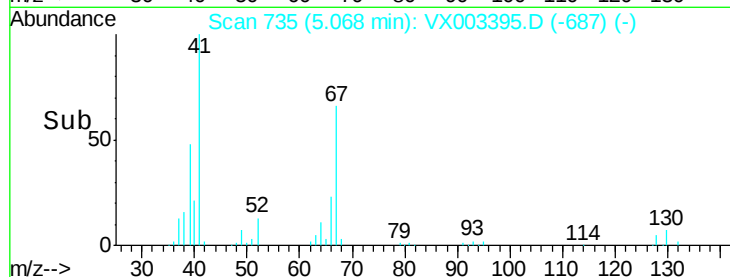
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Time-->



#42

1,2-Dichloroethane

Concen: 46.10 ug/l

RT: 6.20 min Scan# 921

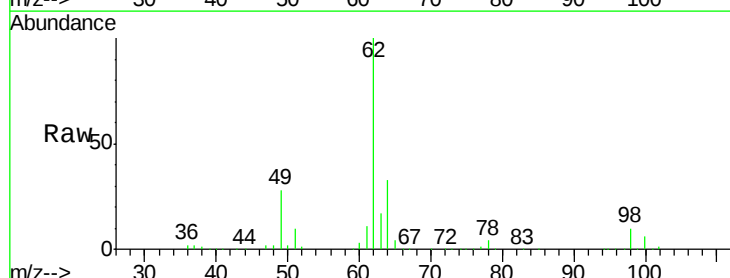
Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Tgt Ion: 62 Resp: 227656

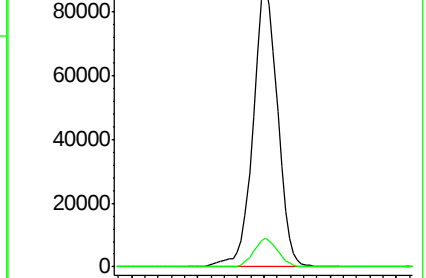
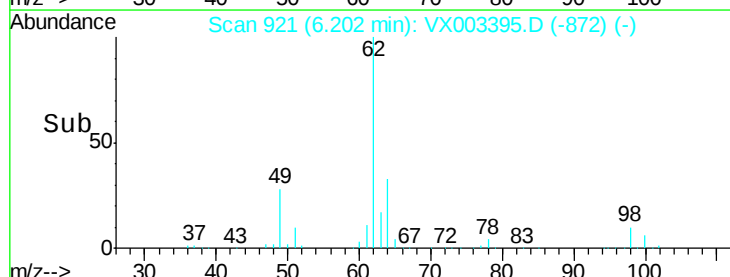
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	16.6

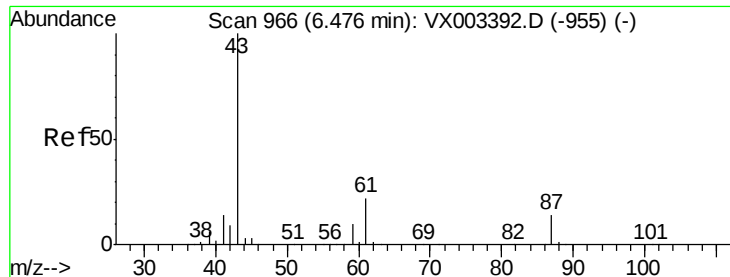


Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Time-->





#43

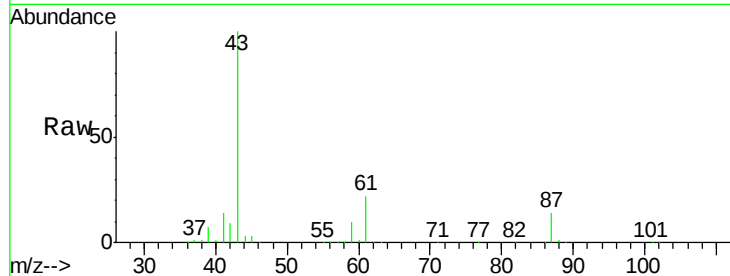
Isopropyl Acetate
 Concen: 48.29 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071618

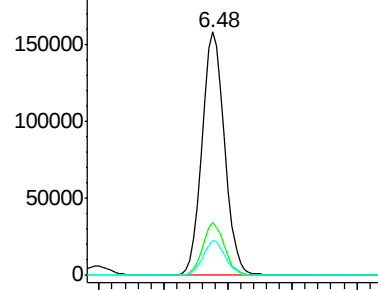
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	14.4	21.6
87	14.2	9.5	14.3

Manual Integrations
 APPROVED

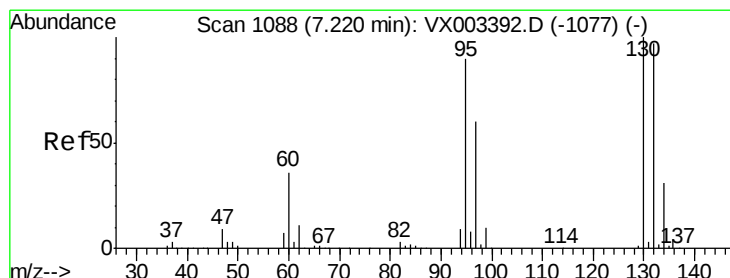
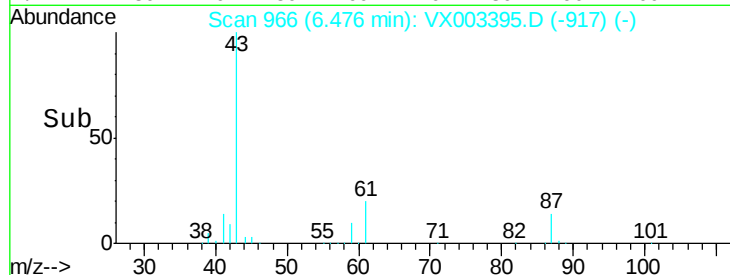
MMDadoda
 7/17/2018 1:46:34 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



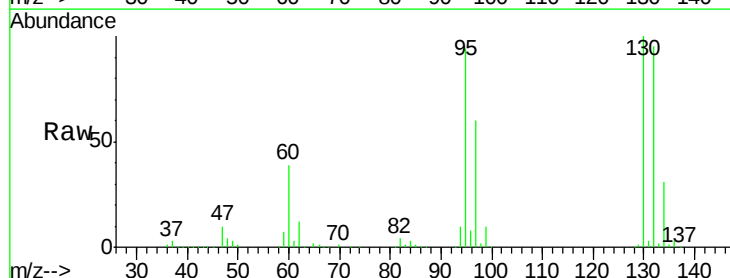
Time-->



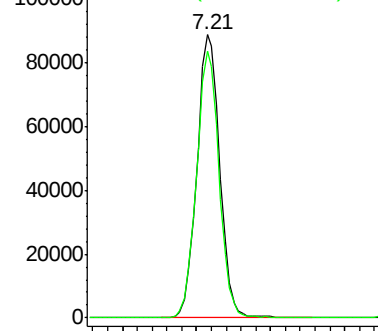
#44

Trichloroethene
 Concen: 45.54 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

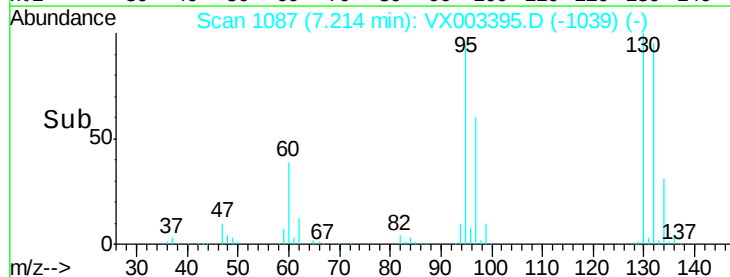
Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	185.4

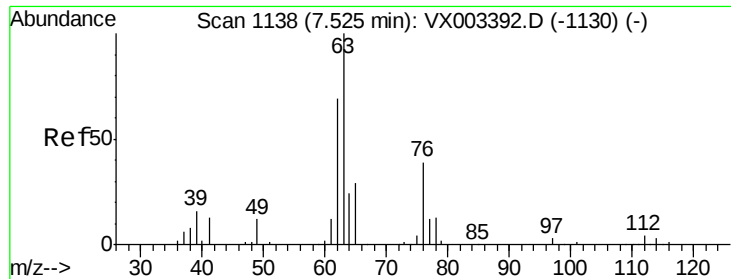


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0



Time-->





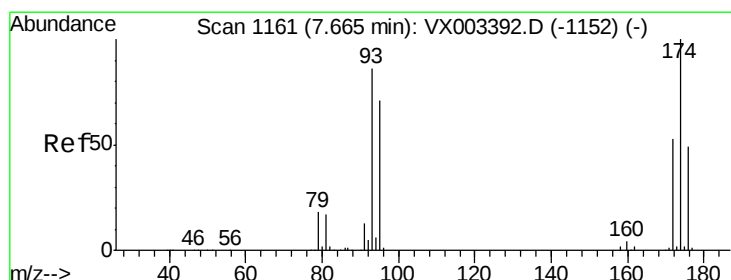
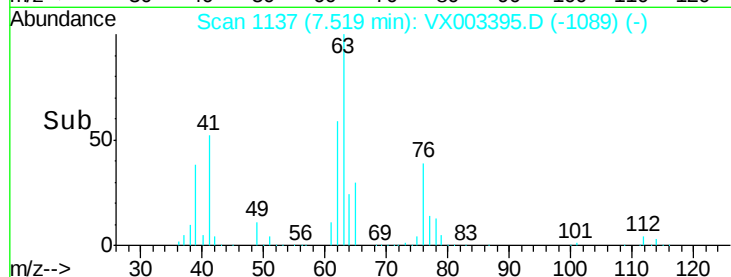
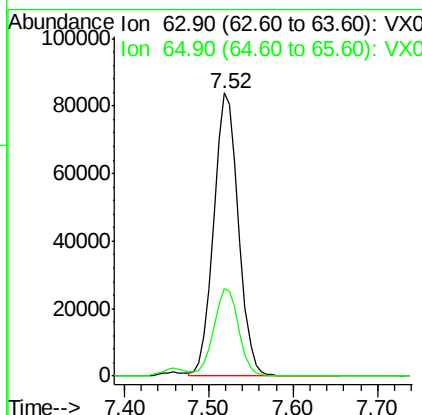
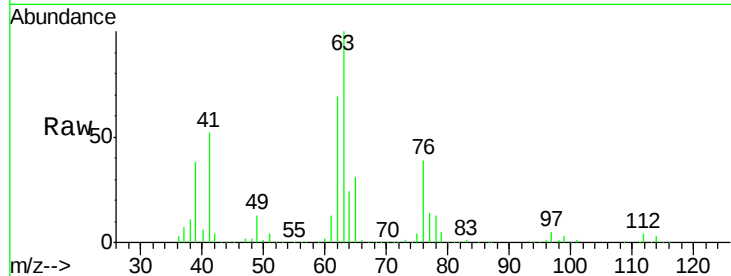
#45
 1,2-Dichloropropane
 Concen: 45.26 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071618

Tot Ion: 63 Resp: 169518
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.7 37.1

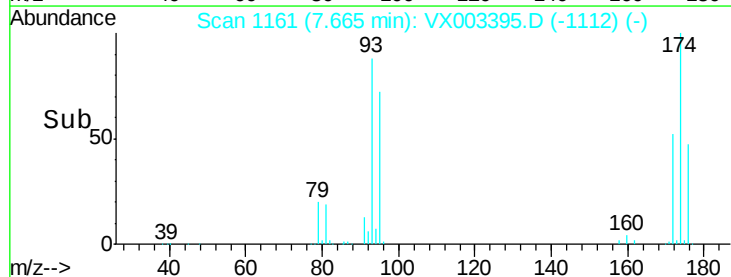
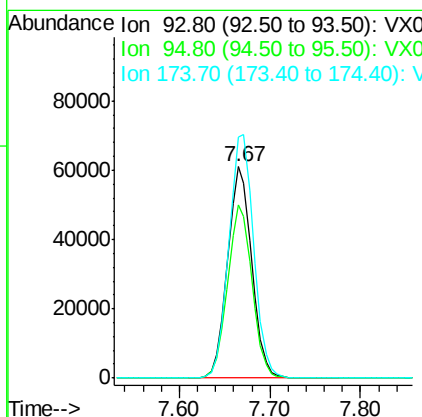
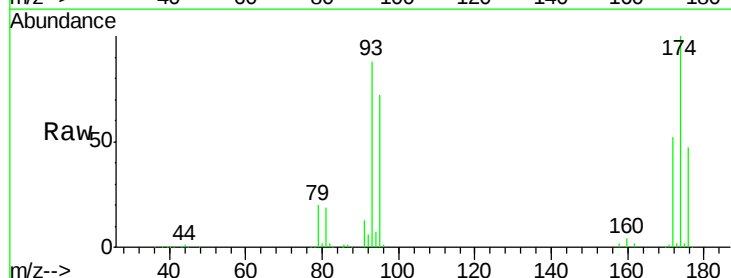
Manual Integrations
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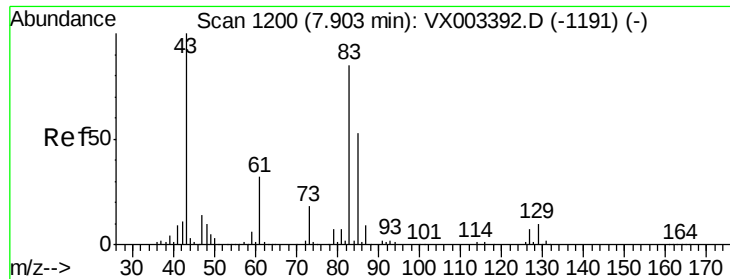
MMDadoda
 7/17/2018 1:46:34 PM



#46
 Dibromomethane
 Concen: 45.31 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Tgt Ion: 93 Resp: 113016
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.9 98.9
 174 118.5 92.4 138.6





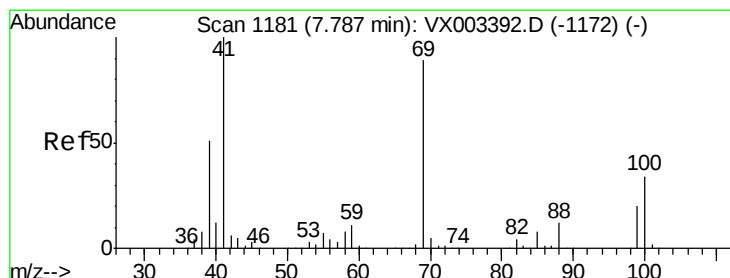
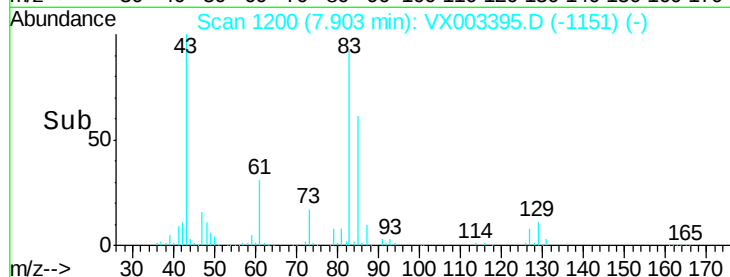
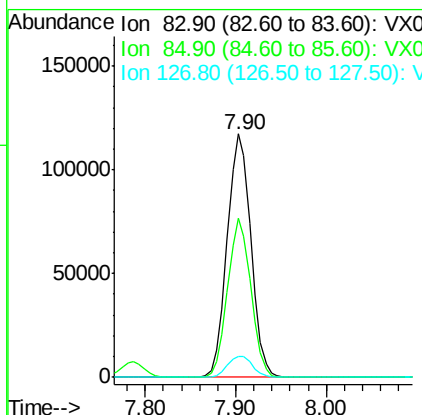
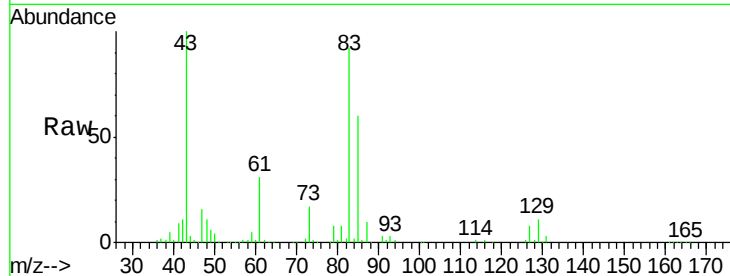
#47
 Bromodichloromethane
 Concen: 46.56 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071618

Tot Ion	83	Resp	212669
Ion Ratio	Lower	Upper	
83	100		
85	65.5	50.3	75.5
127	8.8	7.0	10.4

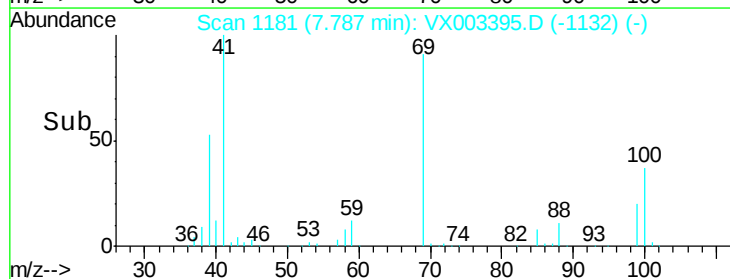
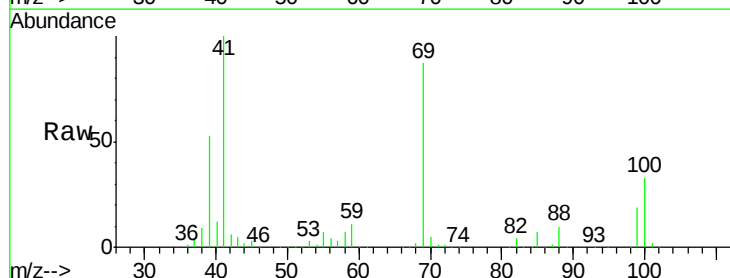
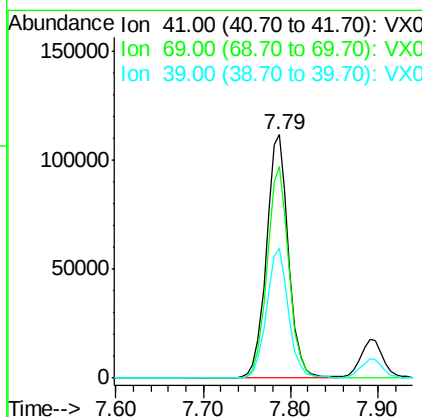
Manual Integrations
 APPROVED

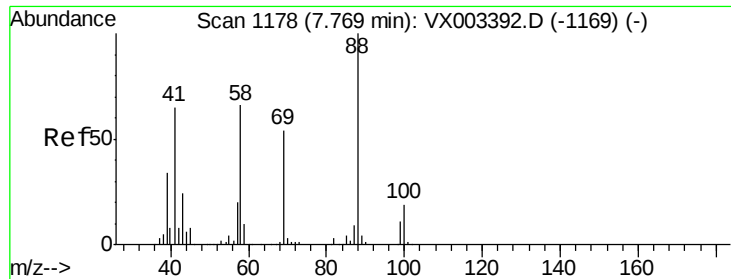
MMDadoda
 7/17/2018 1:46:34 PM



#48
 Methyl methacrylate
 Concen: 48.15 ug/l
 RT: 7.79 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Tgt Ion	41	Resp	197750
Ion Ratio	Lower	Upper	
41	100		
69	85.9	59.1	88.7
39	52.6	48.9	73.3





#49

1,4-Dioxane

Concen: 928.90 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. -0.01 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

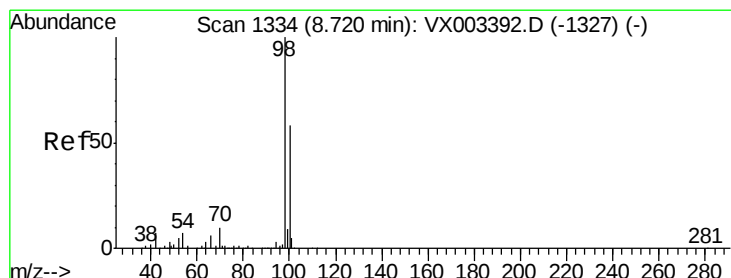
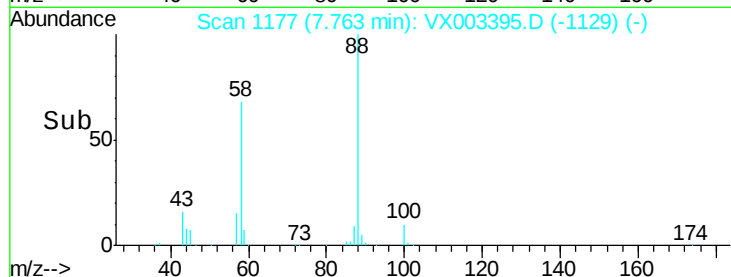
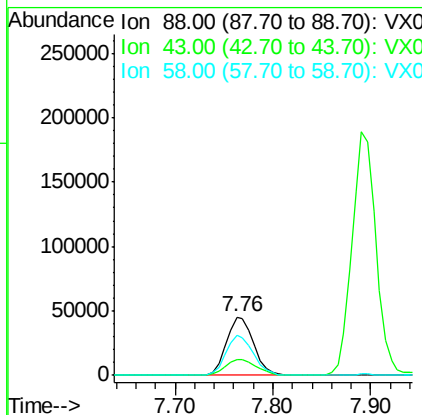
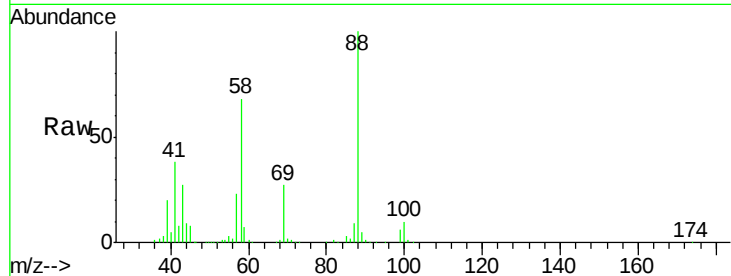
ClientSampleId :

ICVVX071618

Tot Ion:	88	Resp:	87338
Ion	Ratio	Lower	Upper
88	100		
43	30.2	29.8	44.6
58	69.7	57.1	85.7

Manual Integrations
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MMDadoda
7/17/2018 1:46:34 PM



#50

Toluene-d8

Concen: 49.80 ug/l

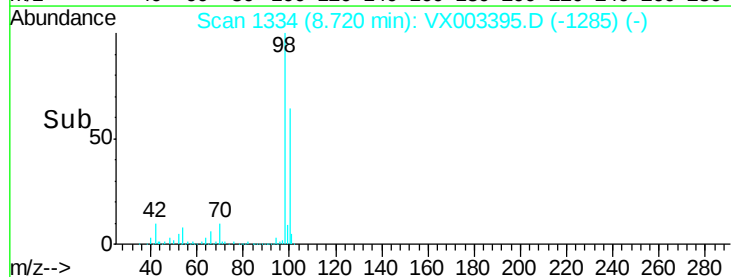
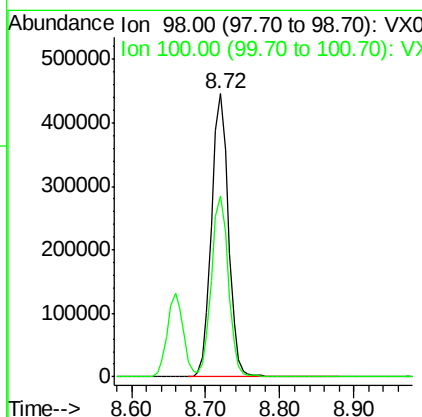
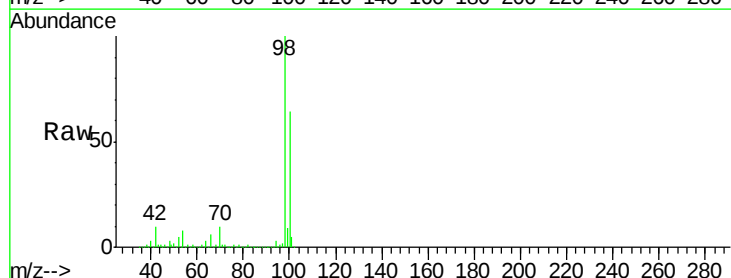
RT: 8.72 min Scan# 1334

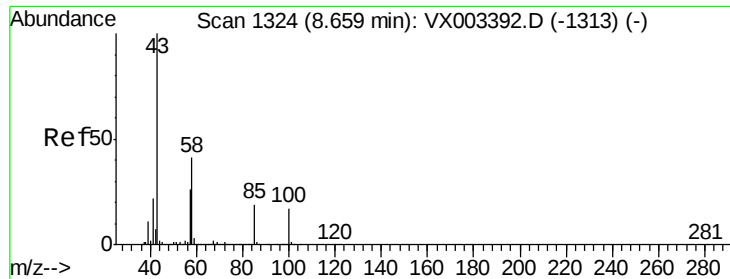
Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Tgt Ion:	98	Resp:	694956
Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.9	76.3





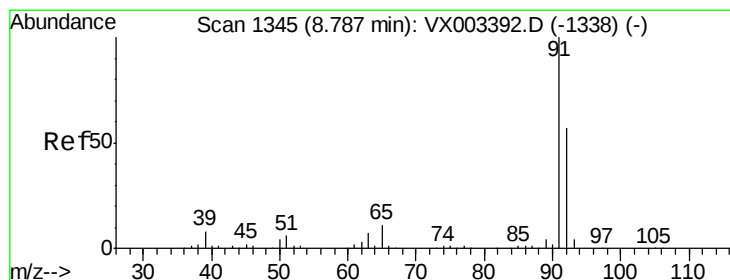
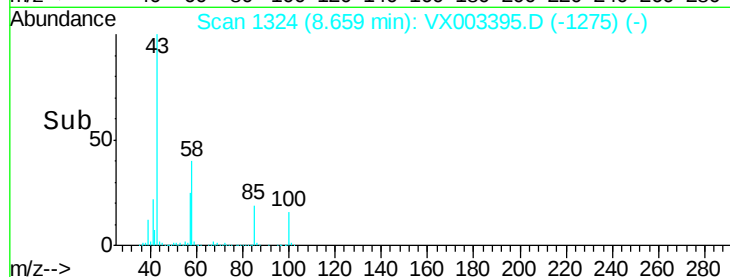
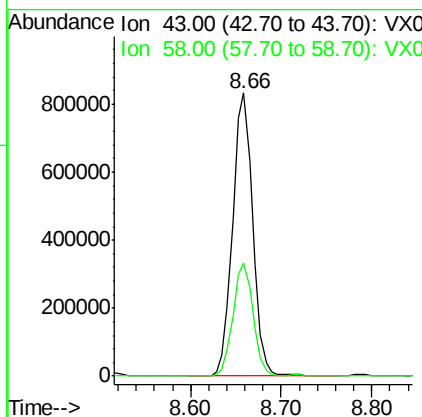
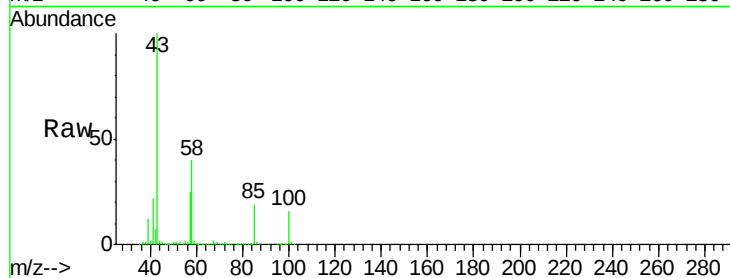
#51
4-Methyl-2-Pentanone
Concen: 241.20 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071618

Tot Ion: 43 Resp: 1278006
Ion Ratio Lower Upper
43 100
58 39.9 28.6 42.8

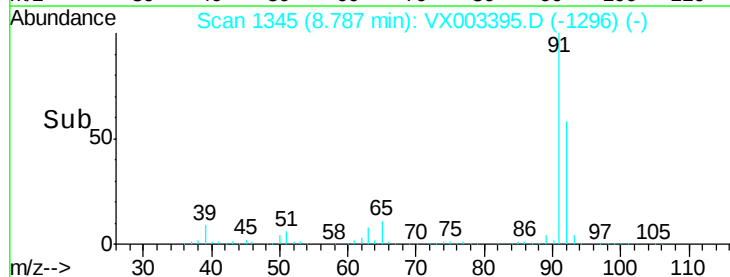
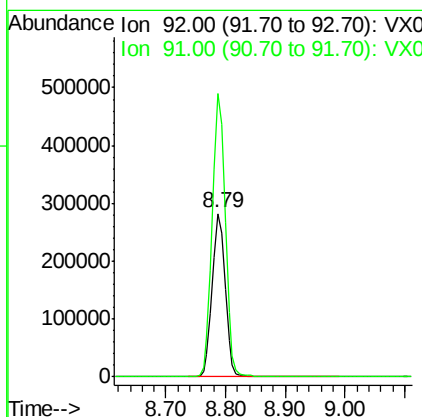
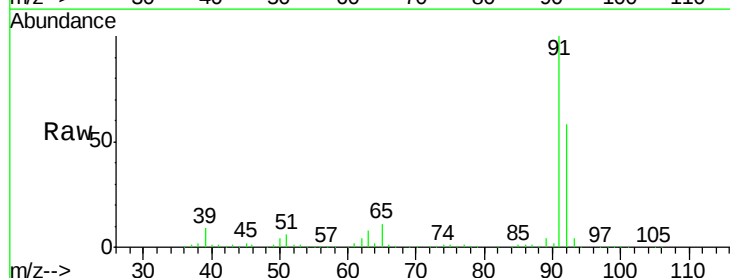
Manual Integrations
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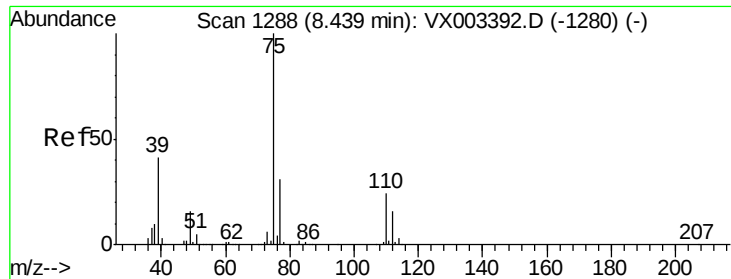
MMDadoda
7/17/2018 1:46:34 PM



#52
Toluene
Concen: 46.84 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion: 92 Resp: 422300
Ion Ratio Lower Upper
92 100
91 173.7 140.4 210.6





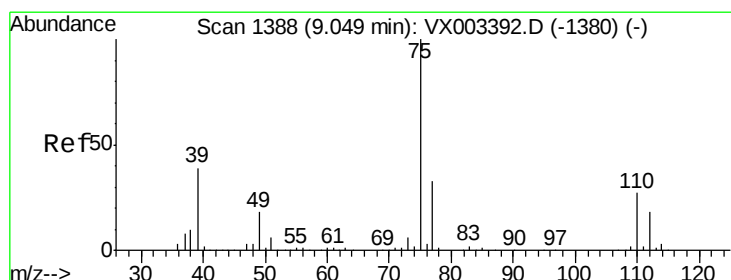
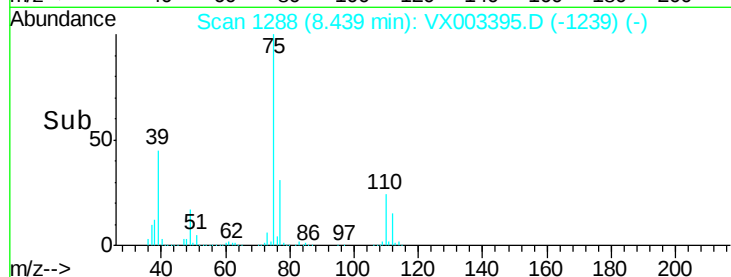
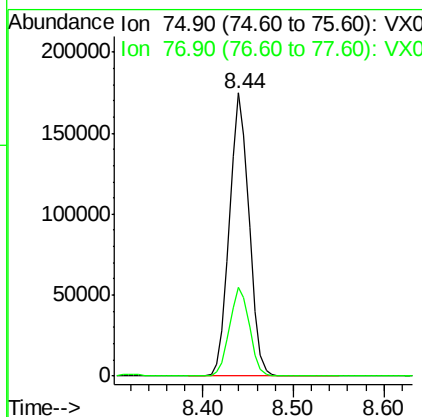
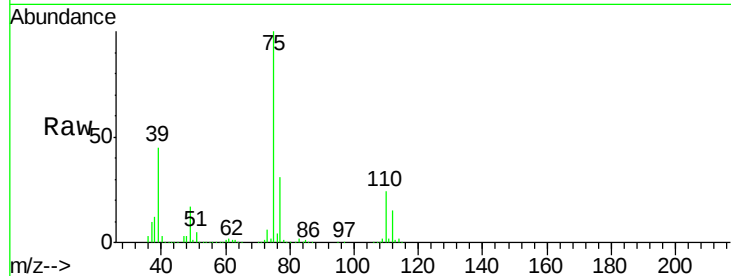
#53
 t-1,3-Dichloropropene
 Concen: 48.77 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071618

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.2

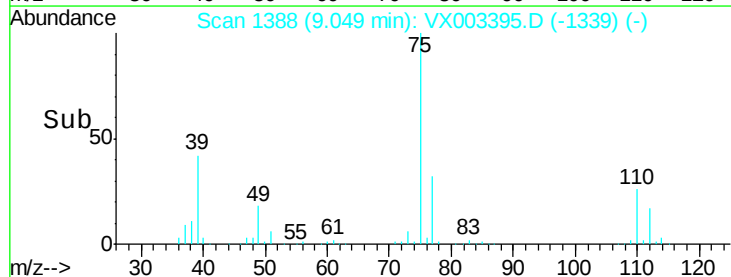
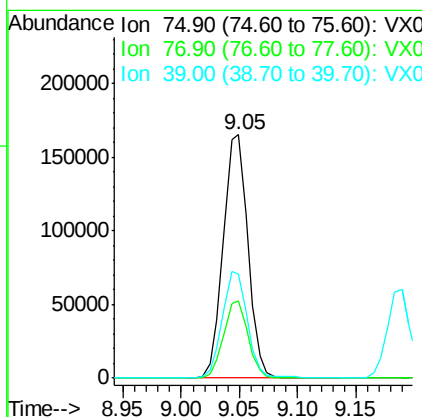
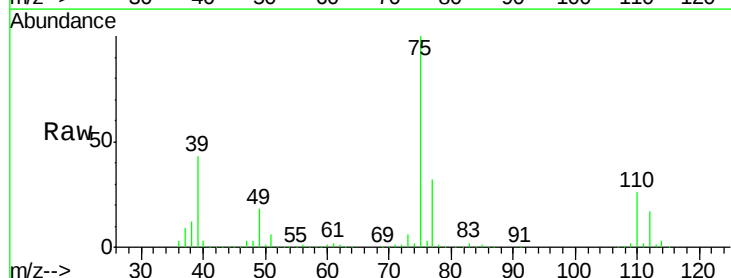
Manual Integrations
 APPROVED

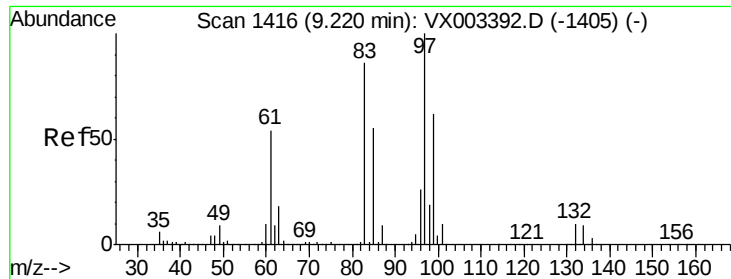
MMDadoda
 7/17/2018 1:46:34 PM



#54
 cis-1,3-Dichloropropene
 Concen: 49.34 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.8	37.2
39	42.6	42.4	63.6





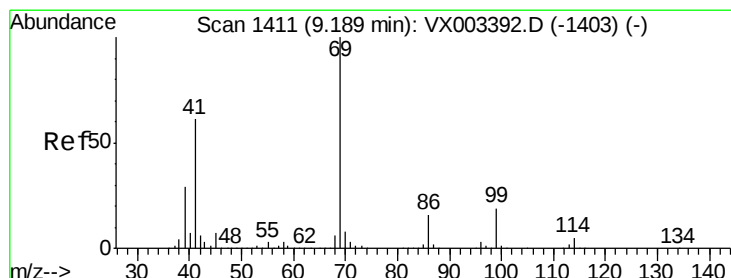
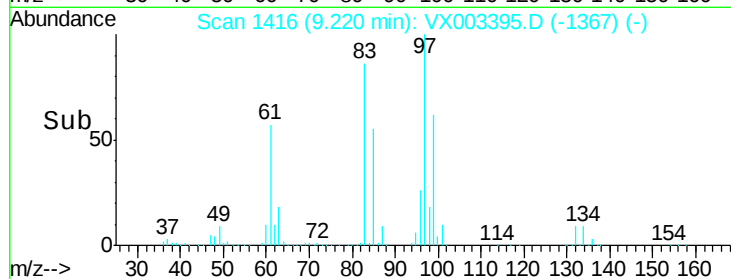
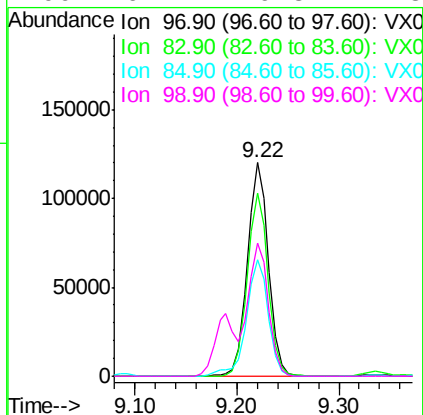
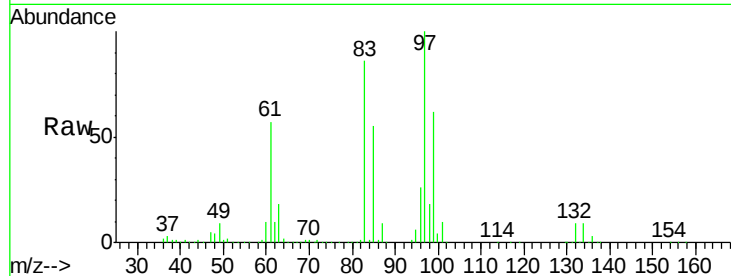
#55
 1,1,2-Trichloroethane
 Concen: 45.64 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071618

Tot Ion:	97	Resp:	171913
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.2	105.2
85	54.7	44.9	67.3
99	62.2	49.8	74.8

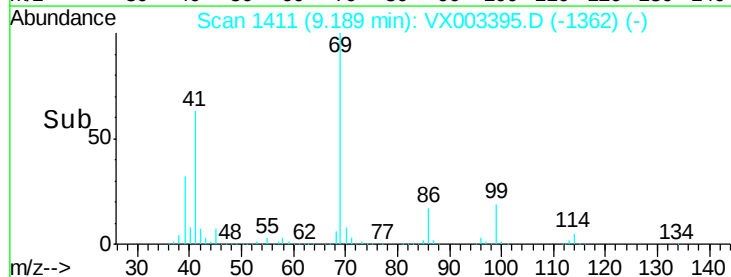
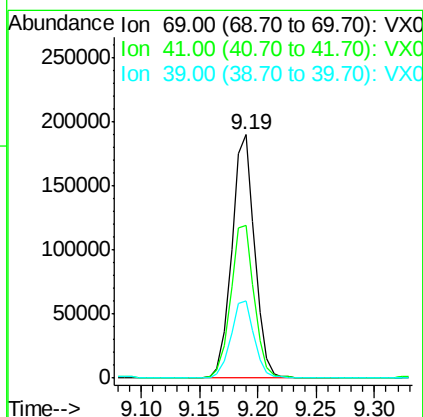
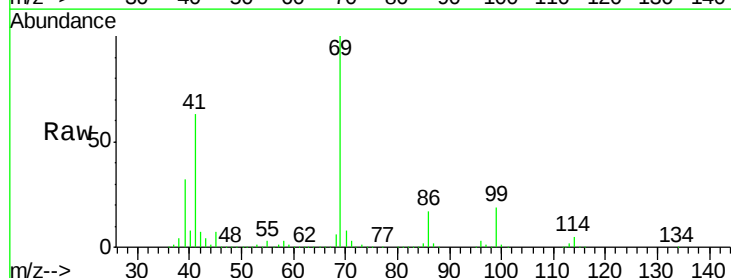
Manual Integrations
 APPROVED

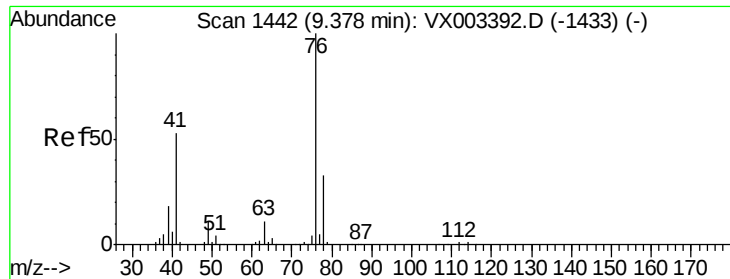
MMDadoda
 7/17/2018 1:46:34 PM



#56
 Ethyl methacrylate
 Concen: 48.68 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Tgt Ion:	69	Resp:	259649
Ion	Ratio	Lower	Upper
69	100		
41	64.2	60.3	90.5
39	32.7	35.8	53.8#





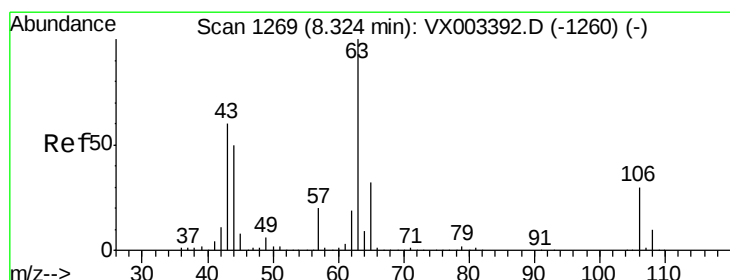
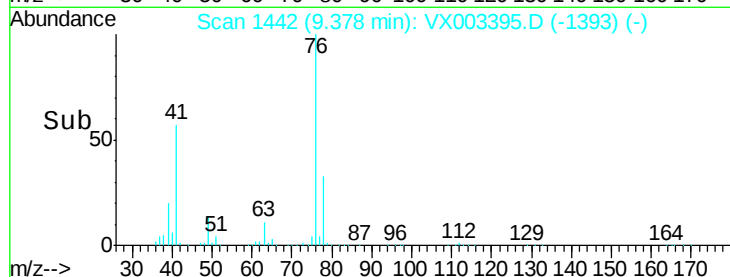
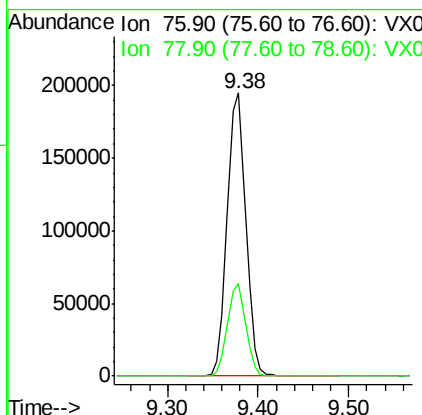
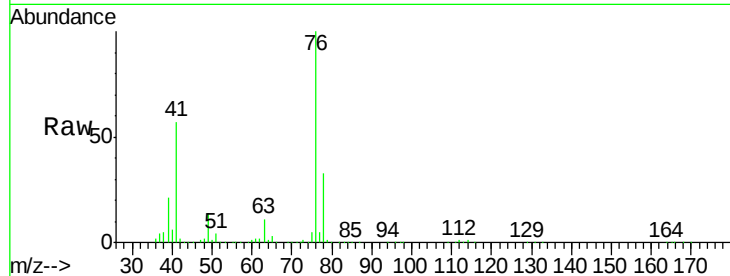
#57
 1,3-Dichloropropane
 Concen: 46.23 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071618

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

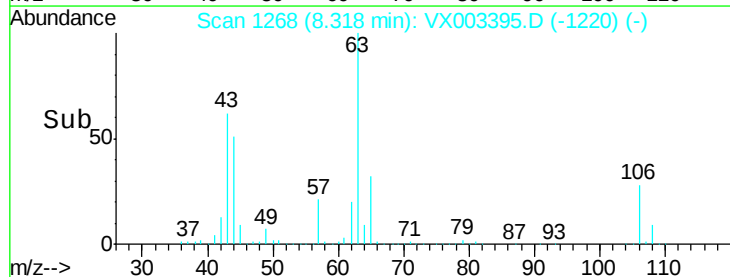
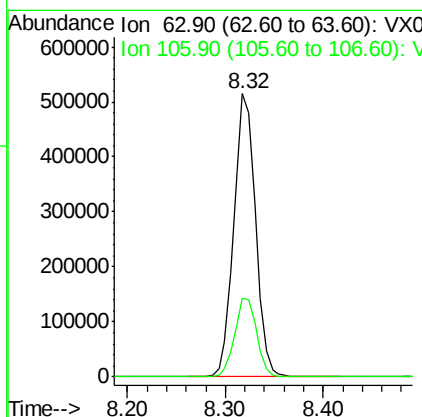
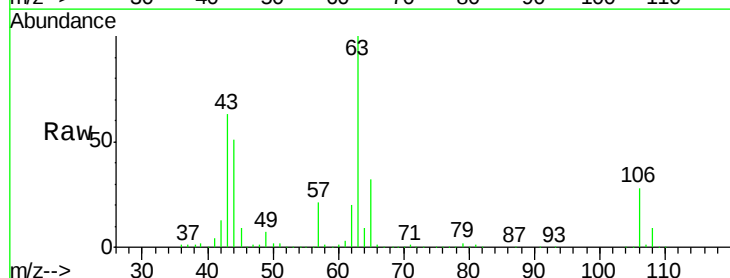
Manual Integrations
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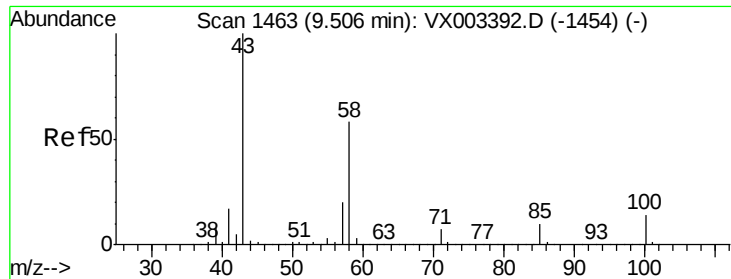
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 296.39 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.3	21.8	32.8





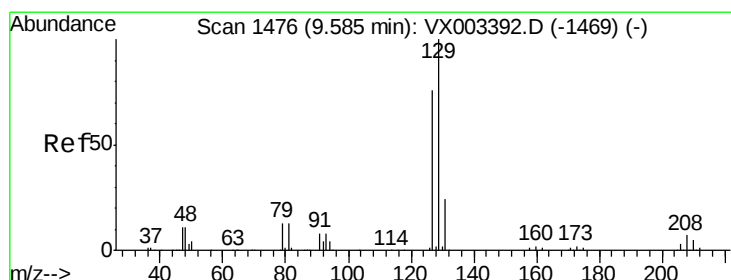
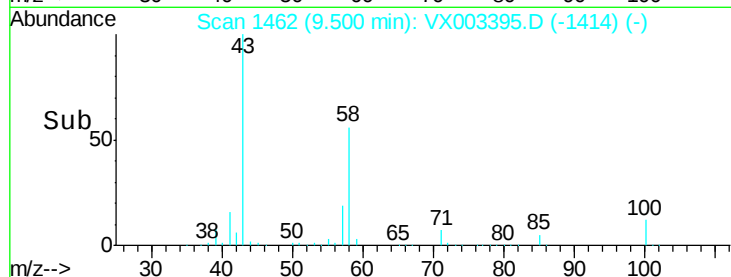
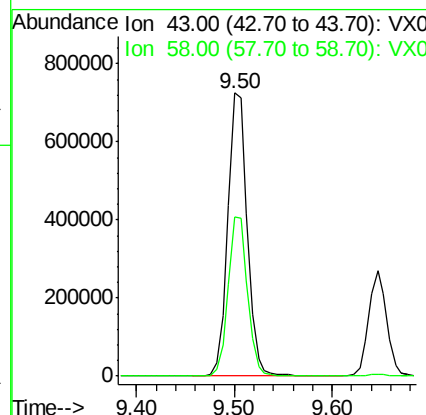
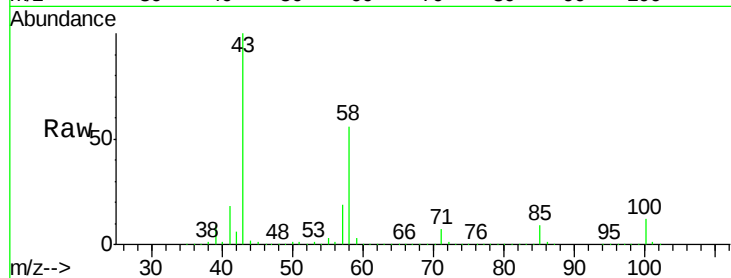
#59
2-Hexanone
Concen: 245.80 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071618

Tot Ion: 43 Resp: 1000643
Ion Ratio Lower Upper
43 100
58 56.0 24.6 73.6

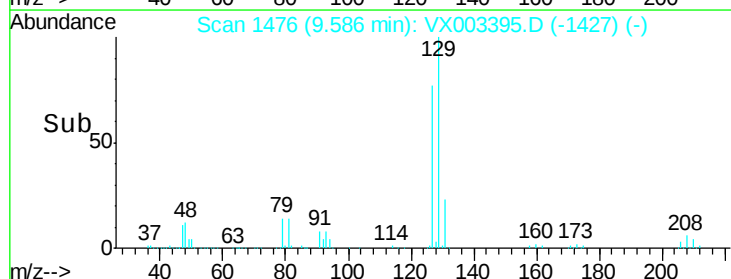
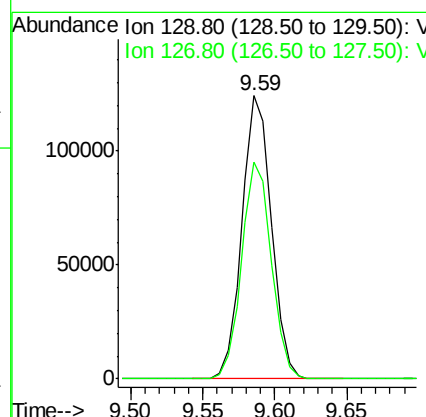
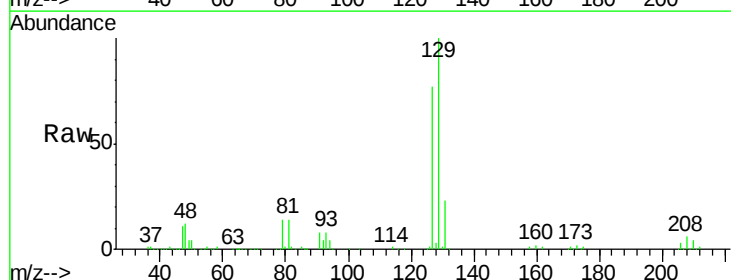
Manual Integrations
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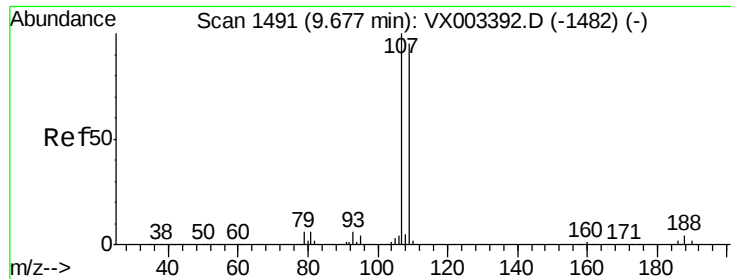
MMDadoda
7/17/2018 1:46:34 PM



#60
Dibromochloromethane
Concen: 47.08 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion: 129 Resp: 176221
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.3





#61

1,2-Dibromoethane

Concen: 46.66 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071618

Tot Ion: 107 Resp: 181168

Ion Ratio Lower Upper

107 100

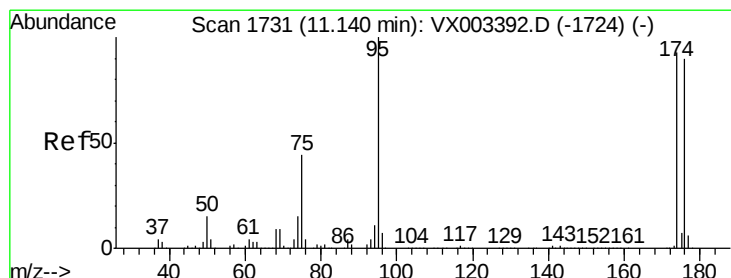
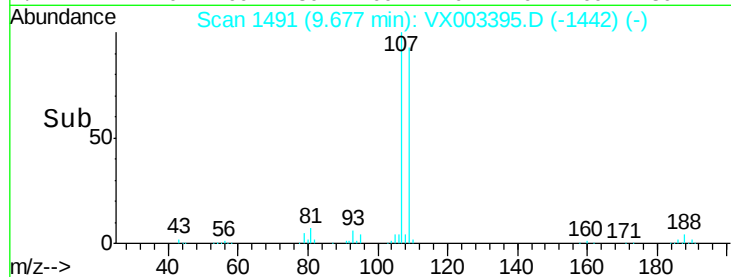
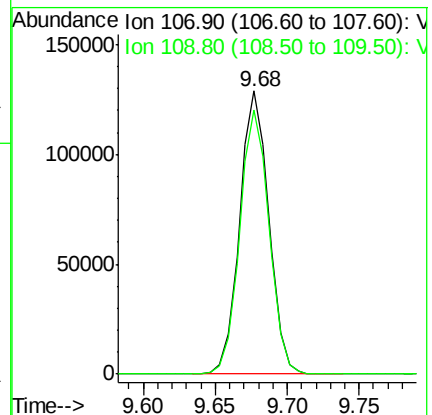
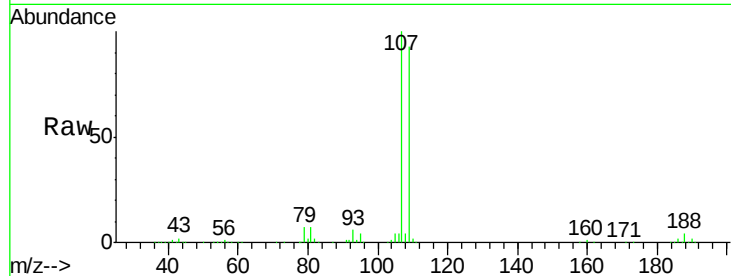
109 94.0 75.3 112.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 51.82 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

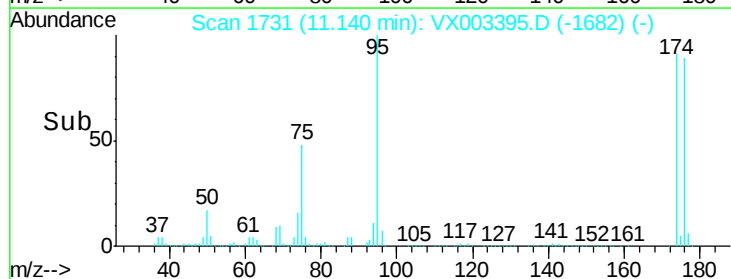
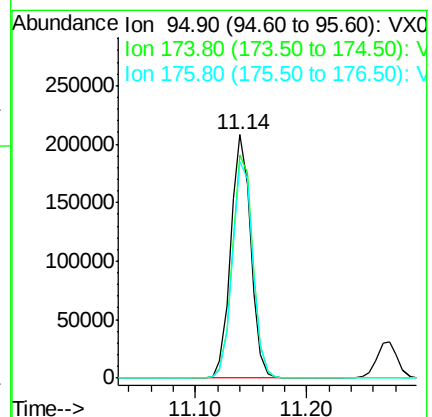
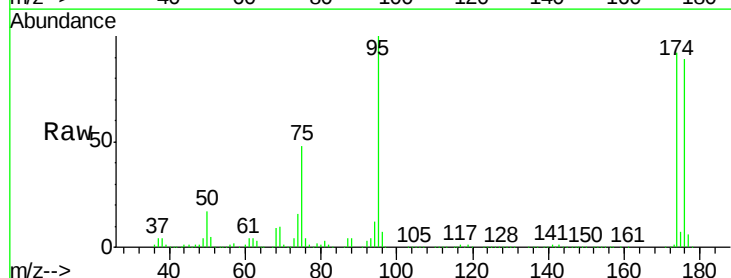
Tgt Ion: 95 Resp: 258169

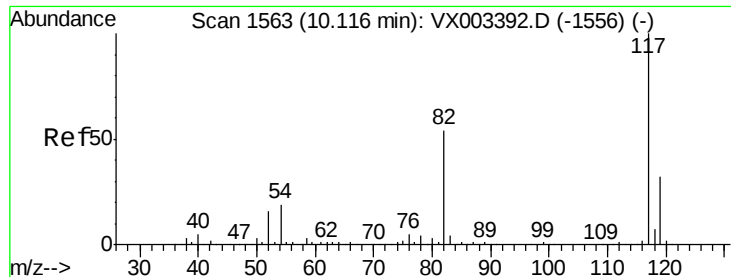
Ion Ratio Lower Upper

95 100

174 93.8 0.0 187.4

176 90.9 0.0 181.0





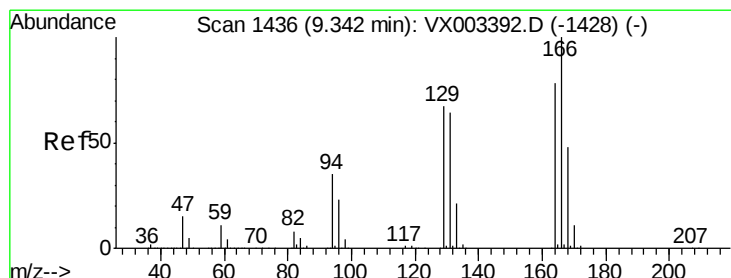
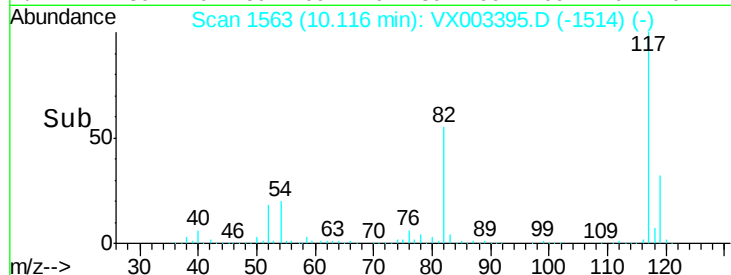
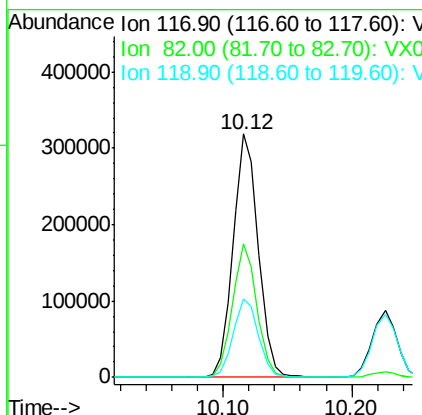
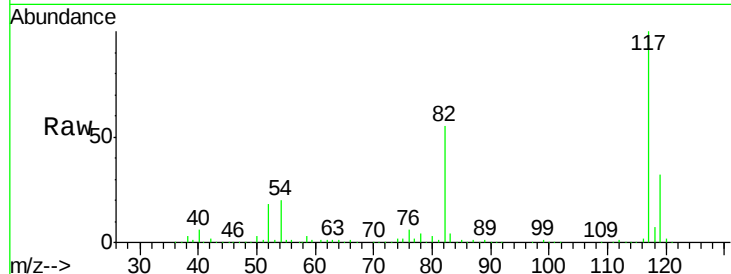
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071618

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	45.0	67.4
119	32.4	25.8	38.6

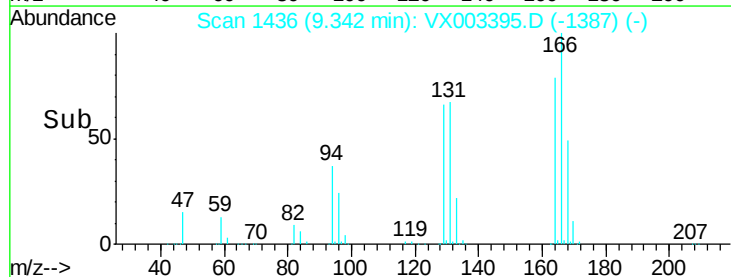
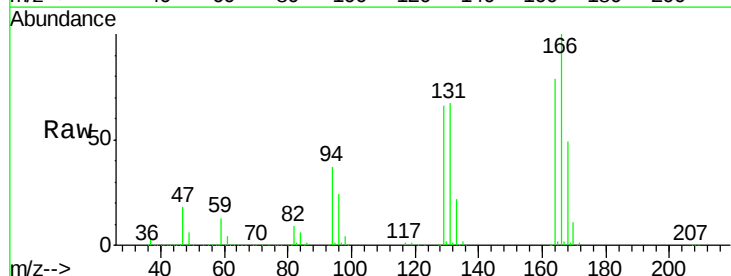
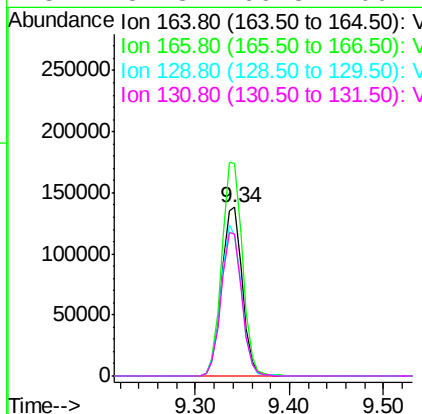
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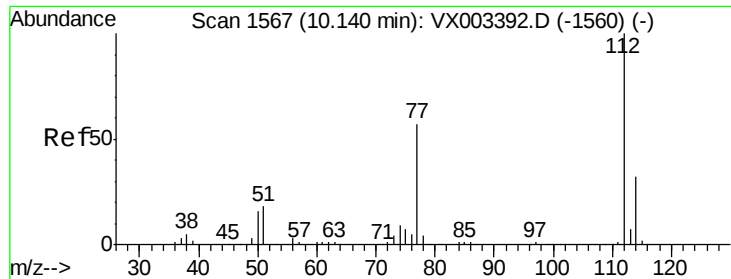
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#64
Tetrachloroethene
Concen: 45.85 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	102.9	154.3
129	83.6	68.6	102.8
131	84.3	66.8	100.2





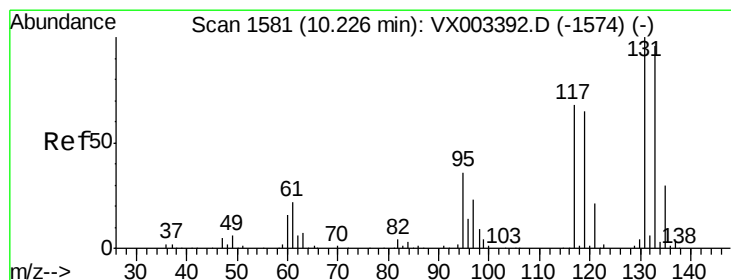
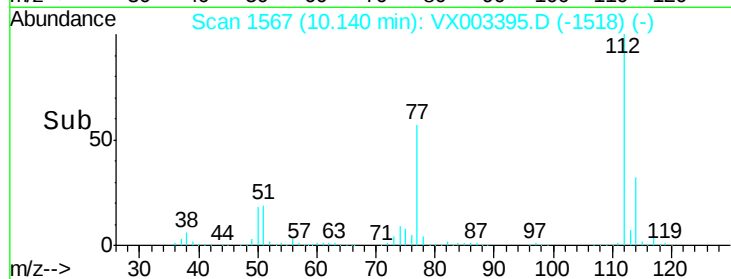
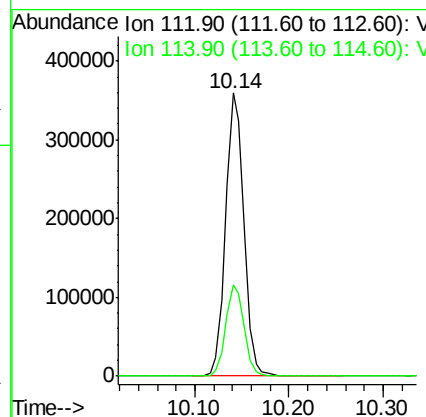
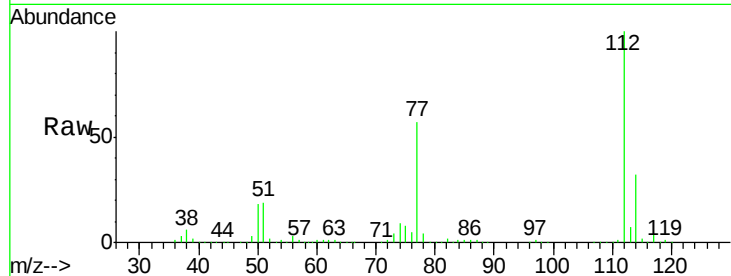
#65
Chlorobenzene
Concen: 46.90 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071618

Tot Ion:112 Resp: 481397
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

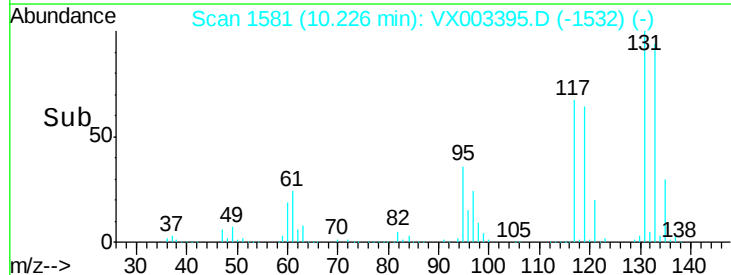
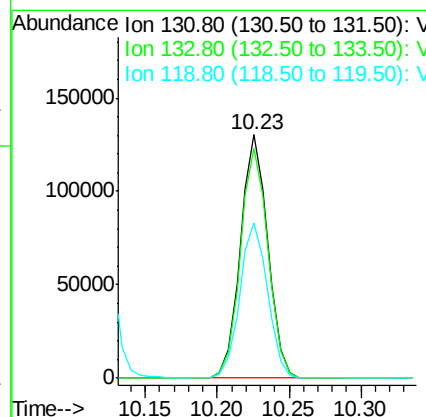
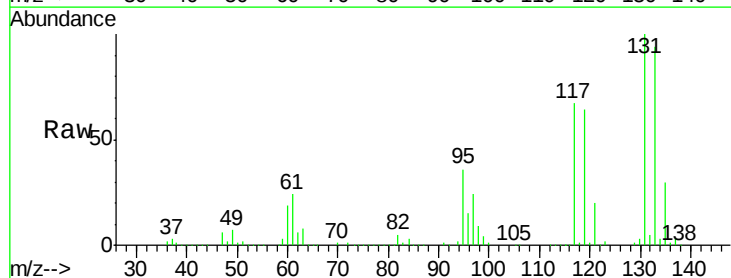
Manual Integrations
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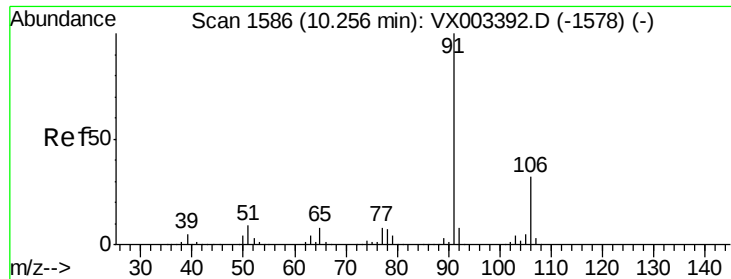
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.20 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion:131 Resp: 172243
Ion Ratio Lower Upper
131 100
133 95.4 47.9 143.6
119 64.9 31.8 95.3





#67

Ethyl Benzene

Concen: 48.61 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071618

Tot Ion: 91 Resp: 815565

Ion Ratio Lower Upper

91 100

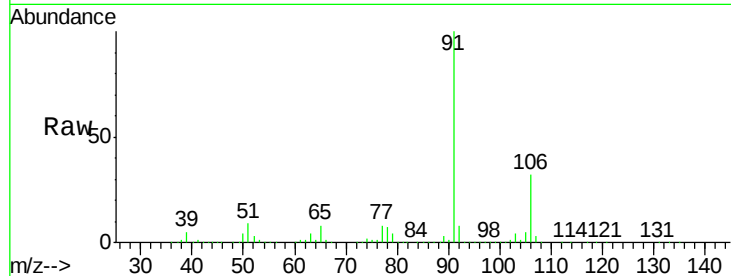
106 31.8 25.5 38.3

Manual Integrations

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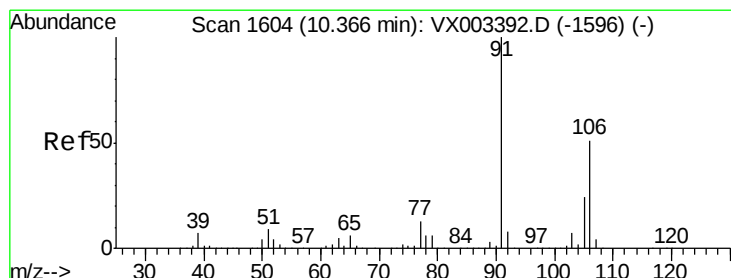
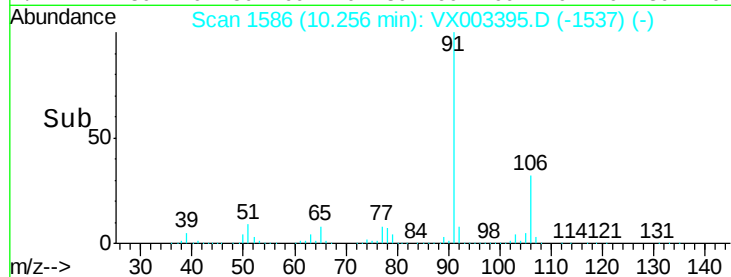
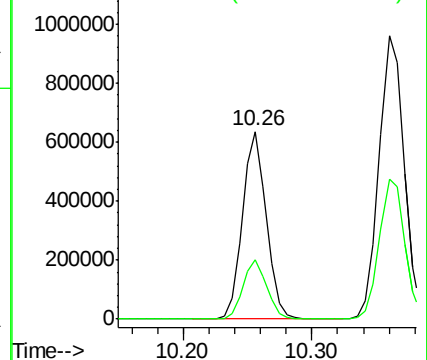
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 99.33 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX003395.D

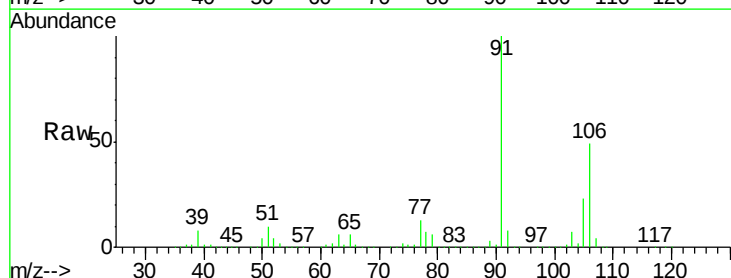
Acq: 16 Jul 2018 14:18

Tgt Ion: 106 Resp: 644628

Ion Ratio Lower Upper

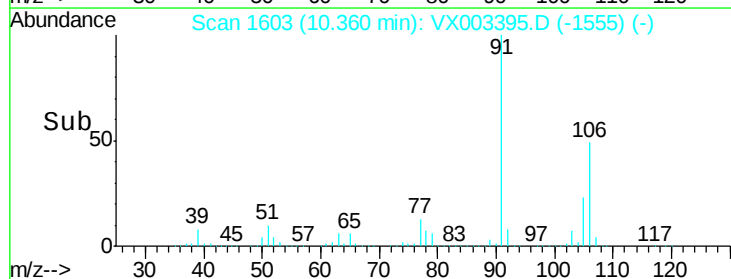
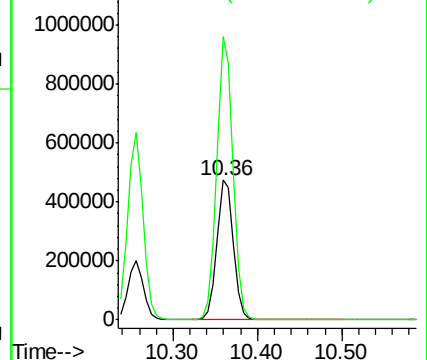
106 100

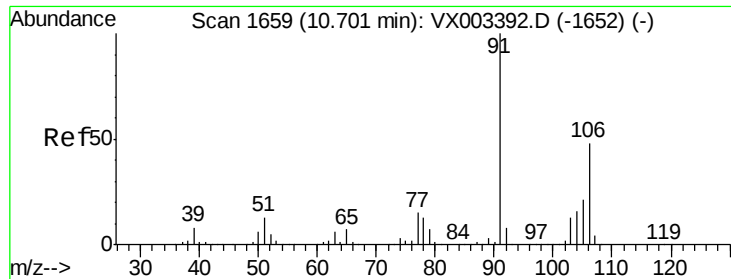
91 199.4 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





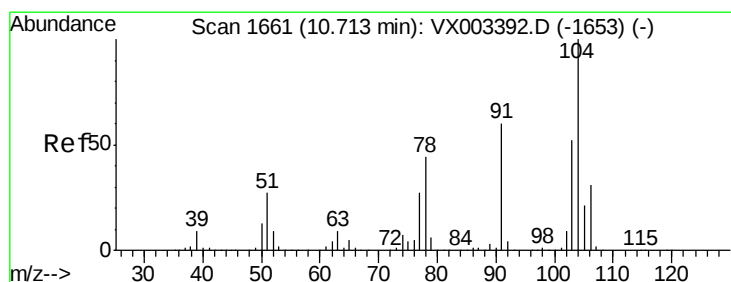
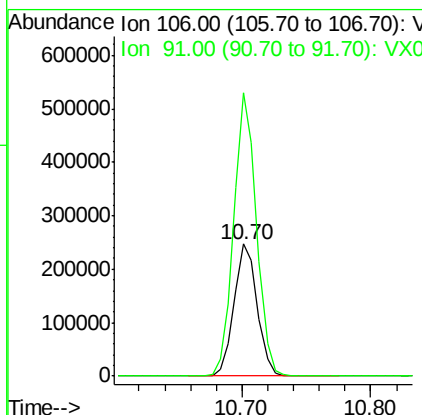
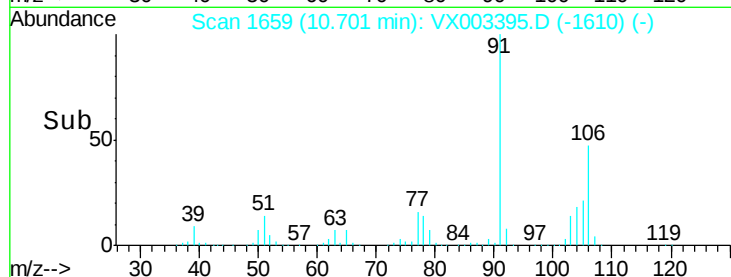
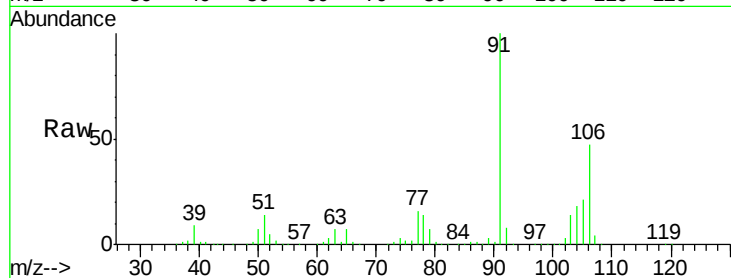
#69
o-Xylene
Concen: 49.71 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071618

Tot Ion:106 Resp: 309862
Ion Ratio Lower Upper
106 100
91 210.5 108.2 324.6

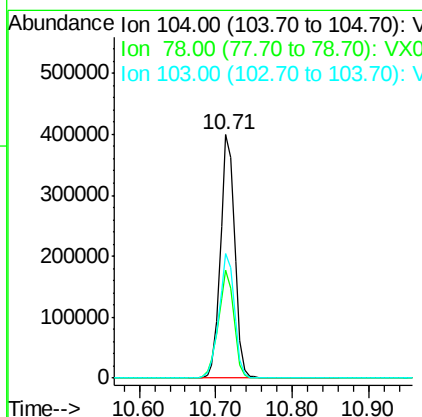
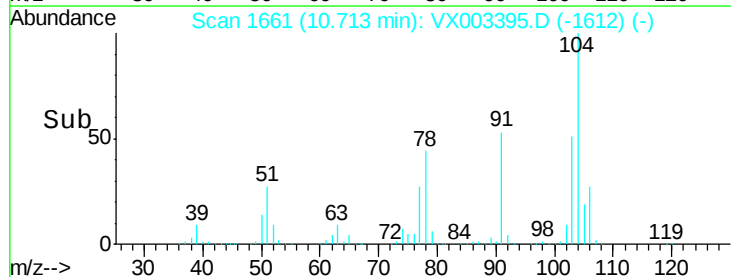
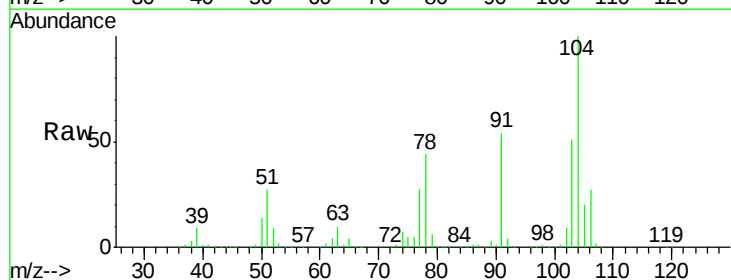
Manual Integrations
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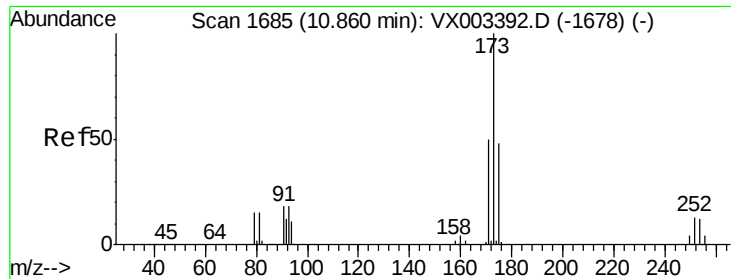
MMDadoda
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#70
Styrene
Concen: 50.24 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion:104 Resp: 515458
Ion Ratio Lower Upper
104 100
78 48.1 41.0 61.6
103 55.3 44.2 66.4





#71

Bromoform

Concen: 47.41 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

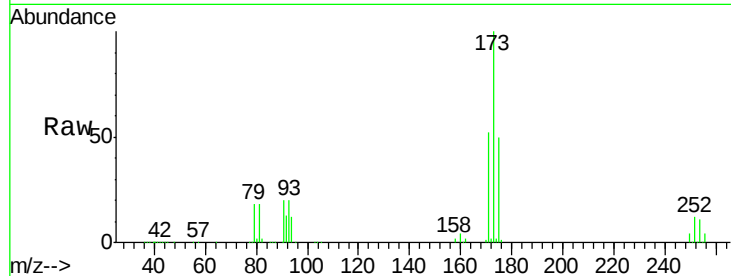
ClientSampleId :

ICVVX071618

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.7	74.1
254	0.2	0.2	0.2

Manual Integrations
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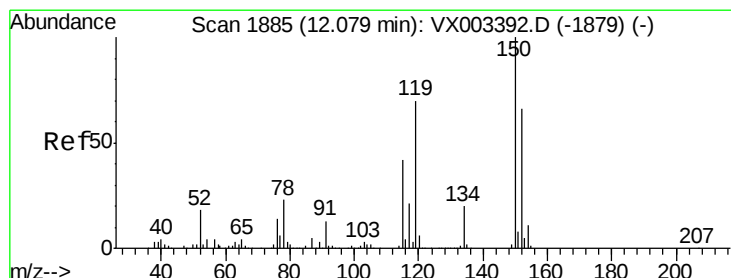
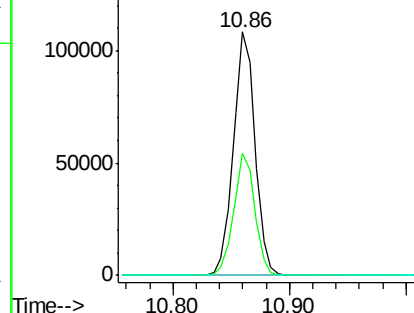
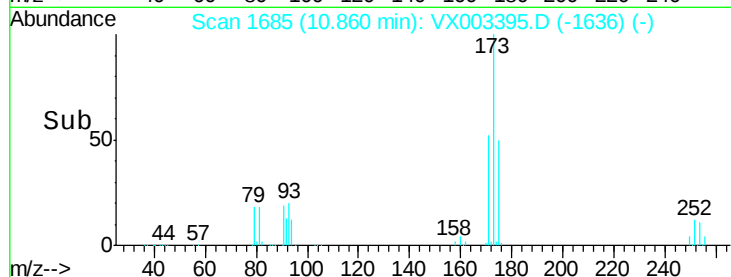


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

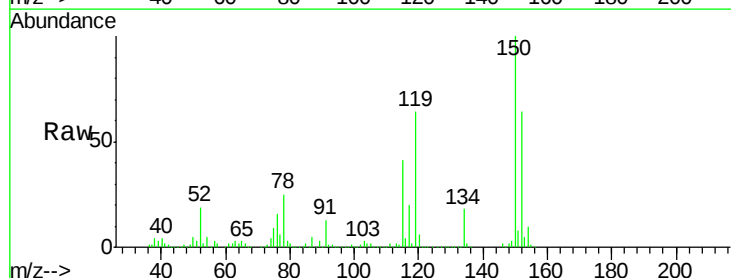
RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	75.3	40.1	120.2
150	172.2	0.0	347.2

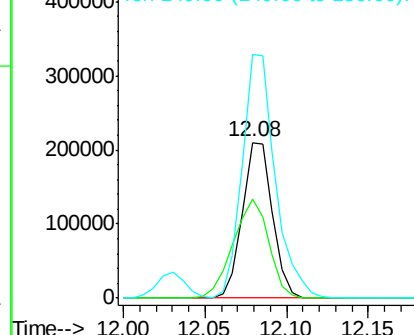
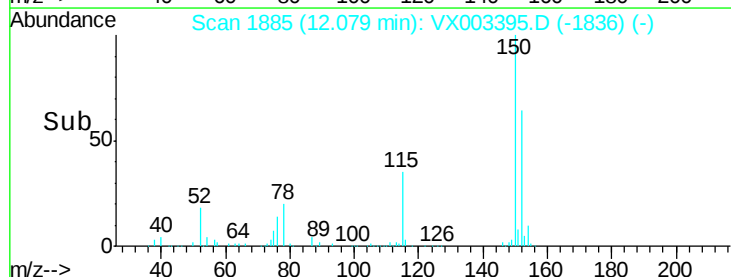


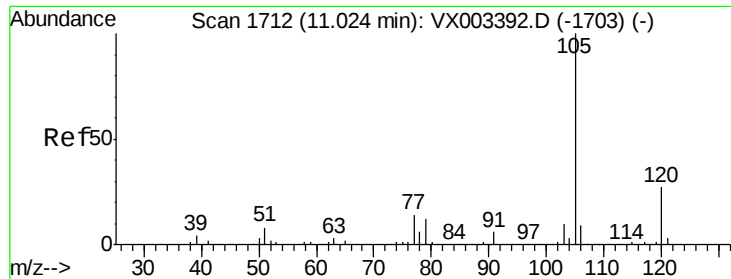
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.25 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071618

Tot Ion:105 Resp: 833592

Ion Ratio Lower Upper

105 100

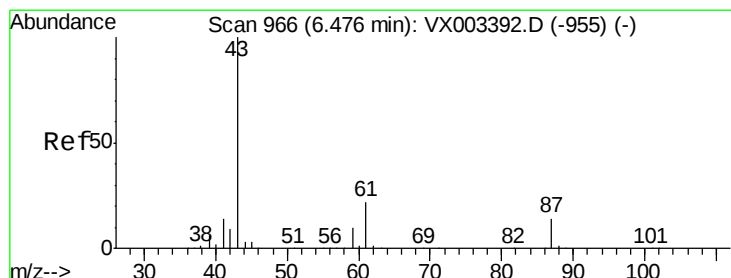
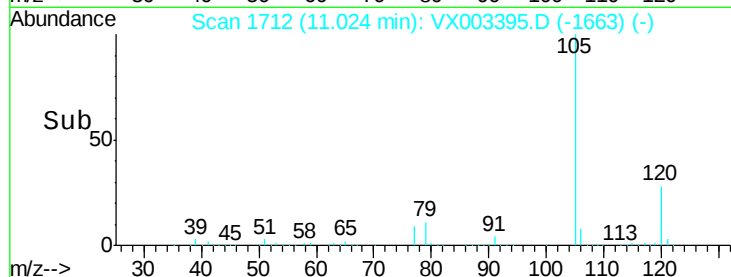
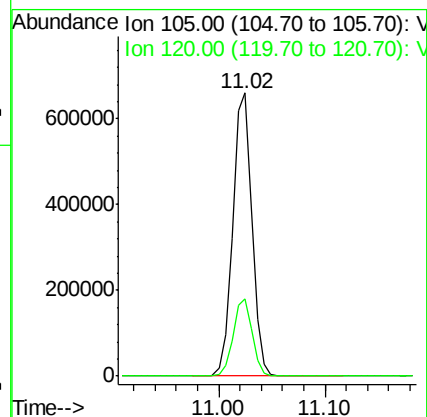
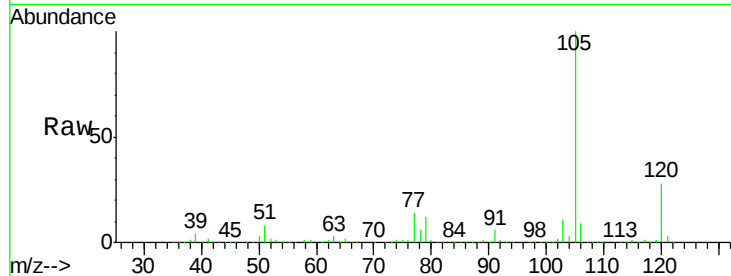
120 27.1 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 46.79 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Tgt Ion: 43 Resp: 388703

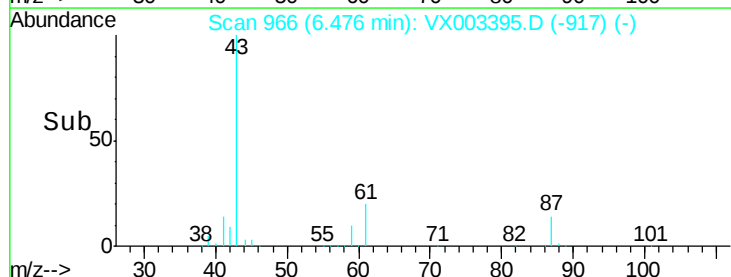
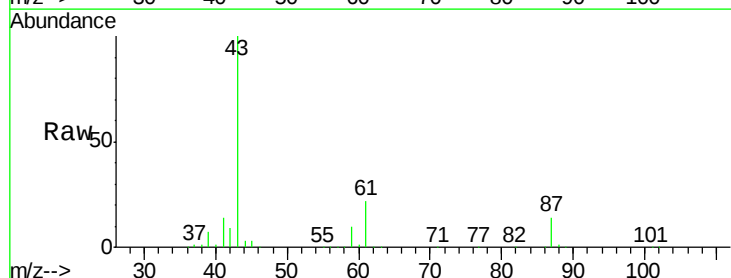
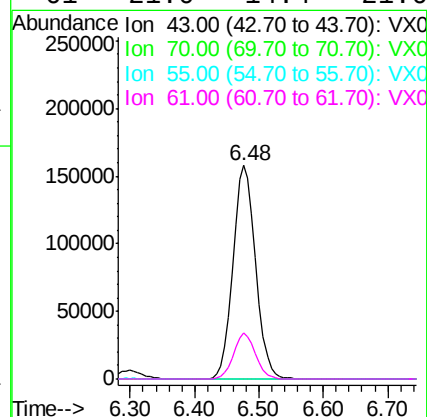
Ion Ratio Lower Upper

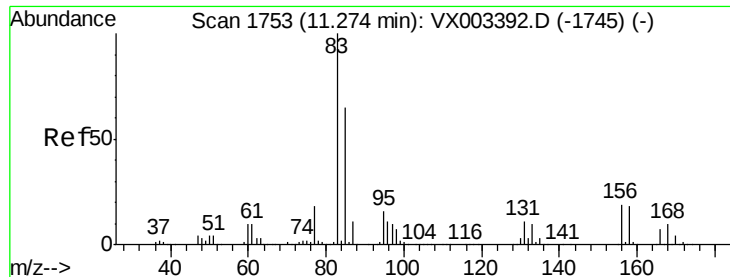
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 21.0 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 45.47 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

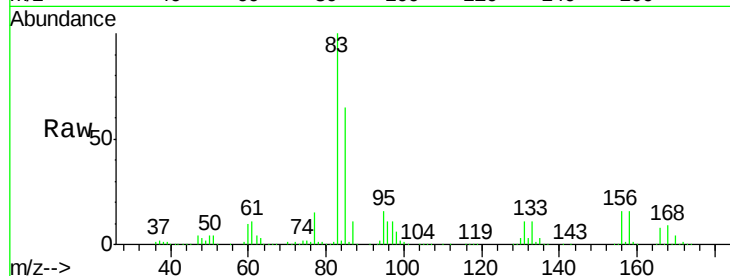
ClientSampleId :

ICVVX071618

Tot Ion:	83	Resp:	259293
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.6	16.8
85	64.3	32.4	97.2

Manual Integrations
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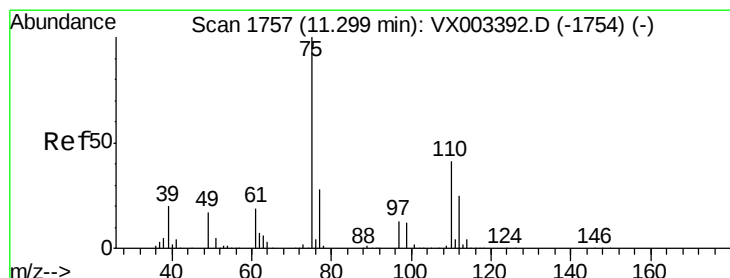
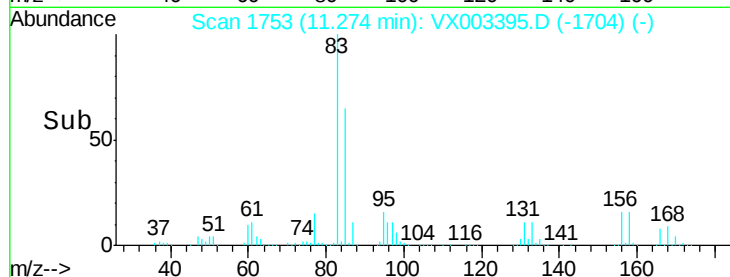
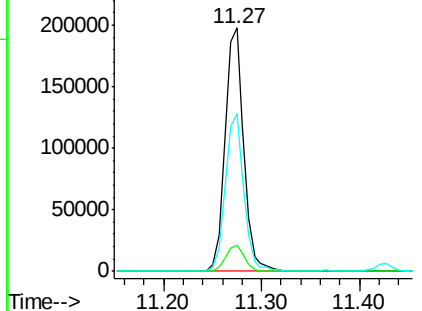
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 54.64 ug/l m

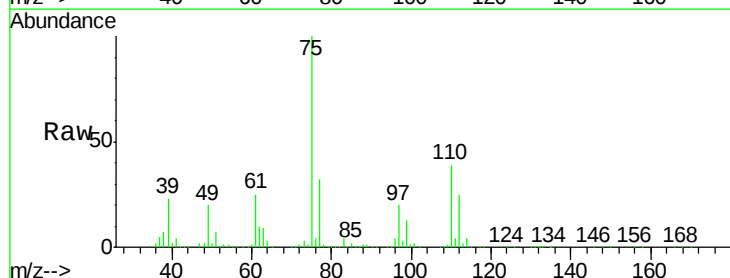
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003395.D

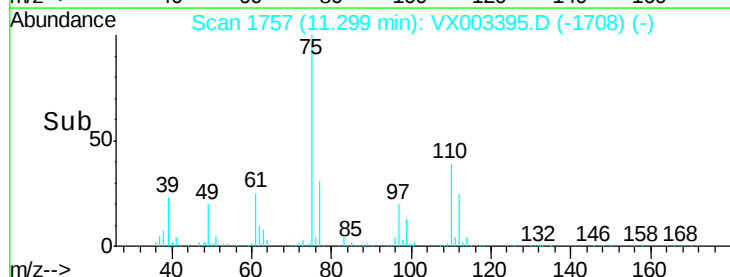
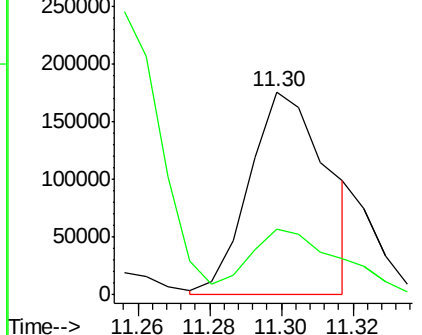
Acq: 16 Jul 2018 14:18

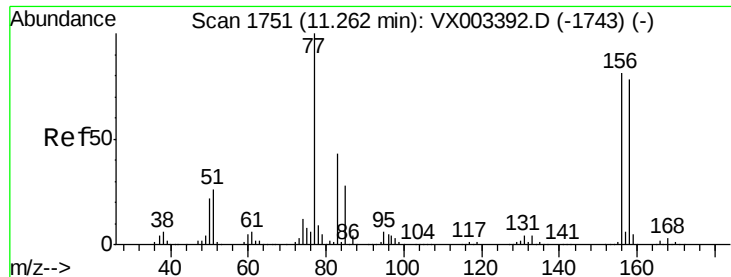
Tgt Ion:	75	Resp:	266906
Ion Ratio	Lower	Upper	
75	100		
77	37.7	22.8	68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





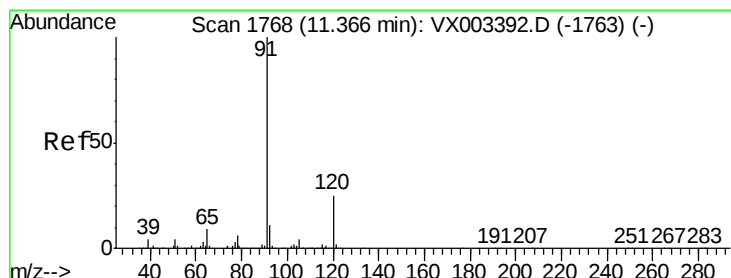
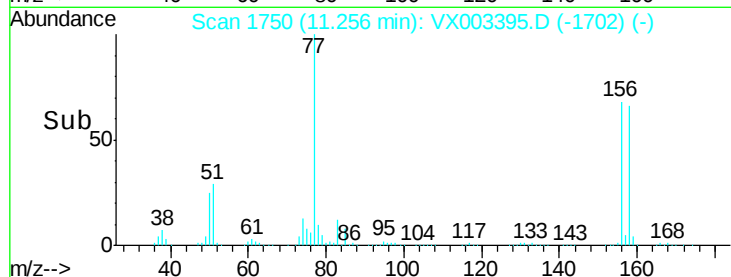
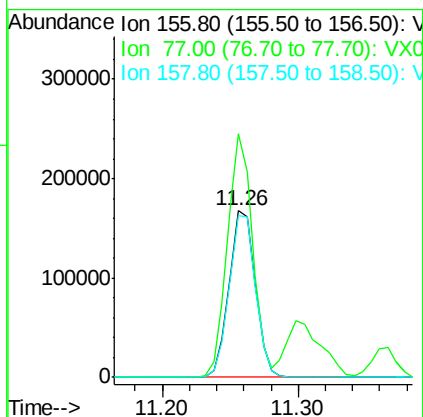
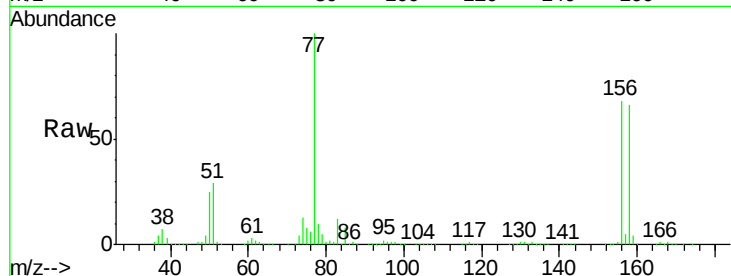
#77
Bromobenzene
Concen: 45.86 ug/l
RT: 11.26 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071618

Tot Ion	Ratio	Lower	Upper
156	100		
77	140.2	71.4	214.2
158	98.1	48.9	146.6

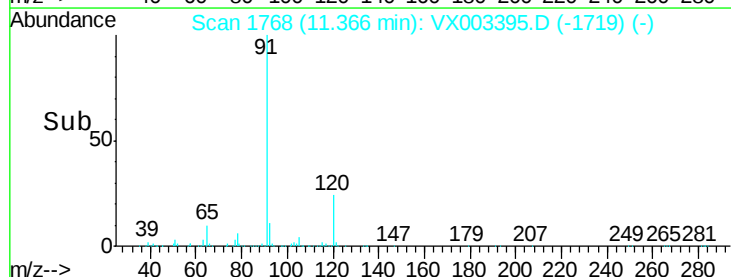
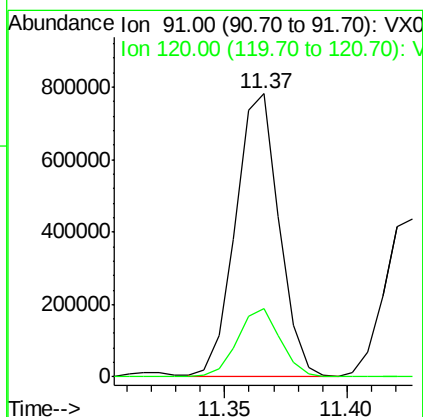
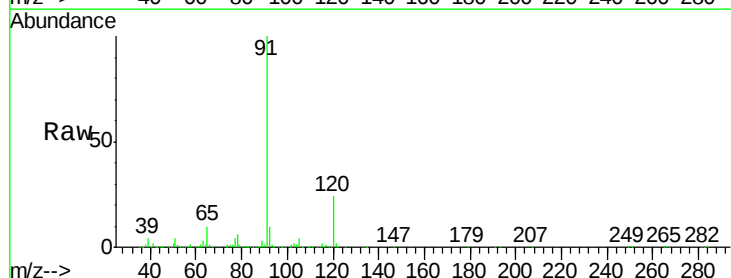
Manual Integrations
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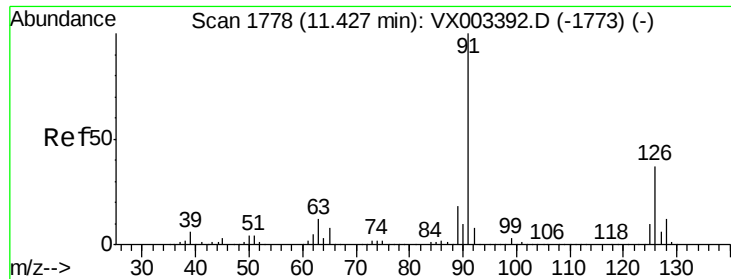
MMDadoda
7/17/2018 1:46:34 PM



#78
n-propylbenzene
Concen: 49.71 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.8	35.4





#79

2-Chlorotoluene

Concen: 47.23 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

ClientSampleId :

ICVVX071618

Tot Ion: 91 Resp: 558853

Ion Ratio Lower Upper

91 100

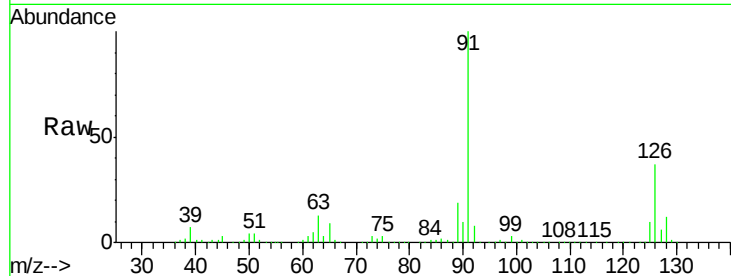
126 36.0 17.7 53.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX003392.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003392.D (-1773) (-)

800000

600000

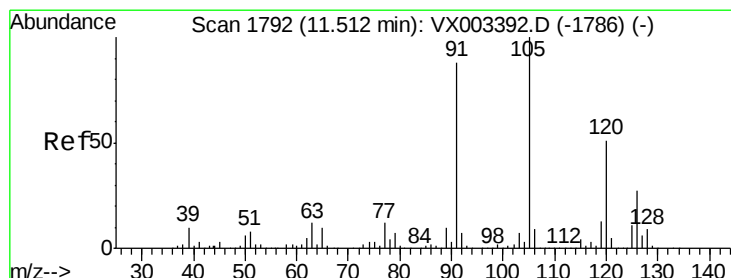
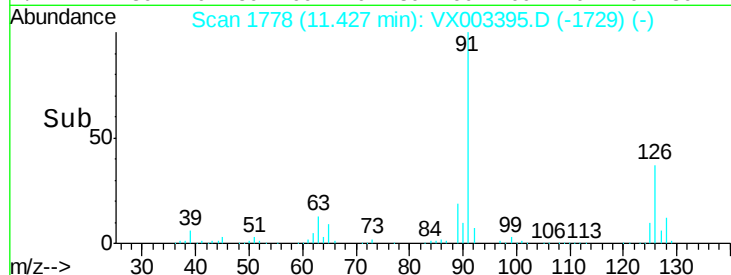
400000

200000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.38 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003395.D

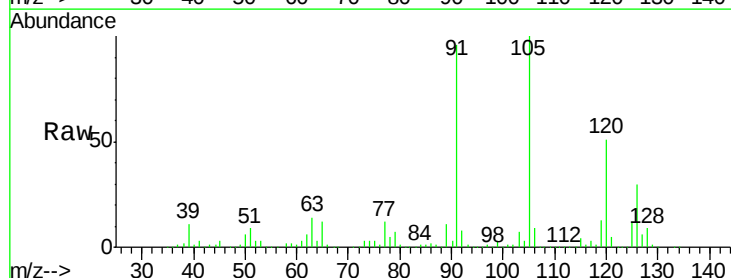
Acq: 16 Jul 2018 14:18

Tgt Ion: 105 Resp: 696936

Ion Ratio Lower Upper

105 100

120 49.8 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003392.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX003392.D (-1786) (-)

600000

500000

400000

300000

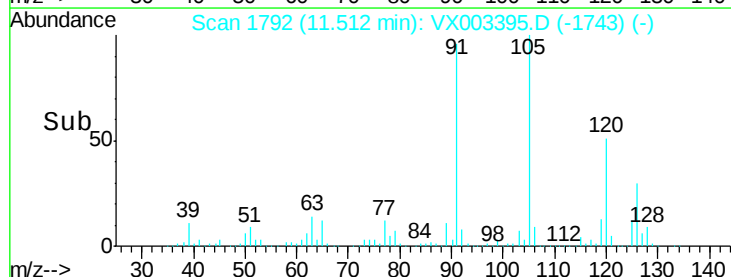
200000

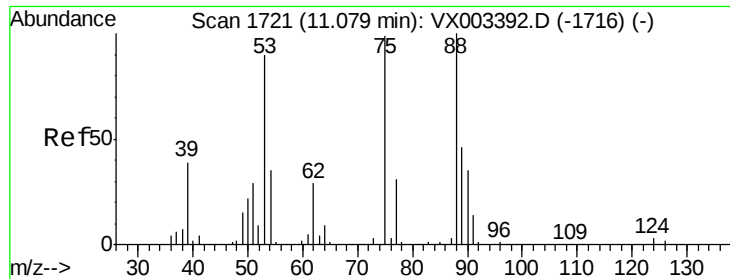
100000

0

11.50 11.60

Time-->





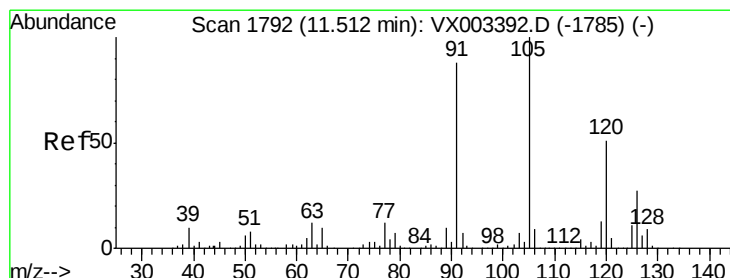
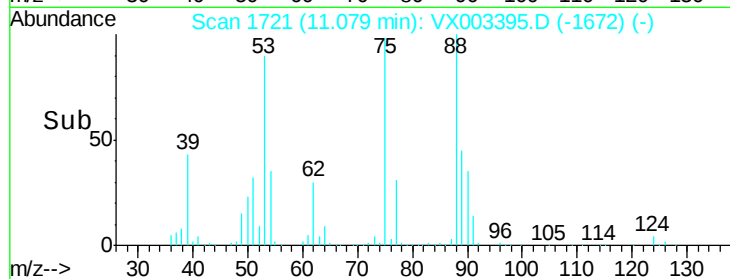
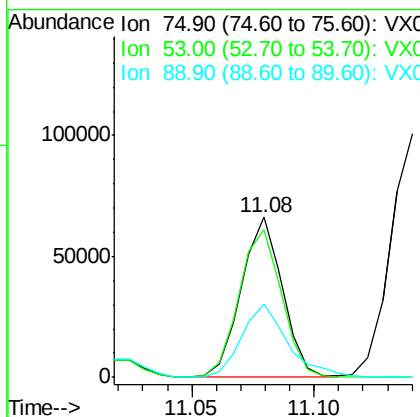
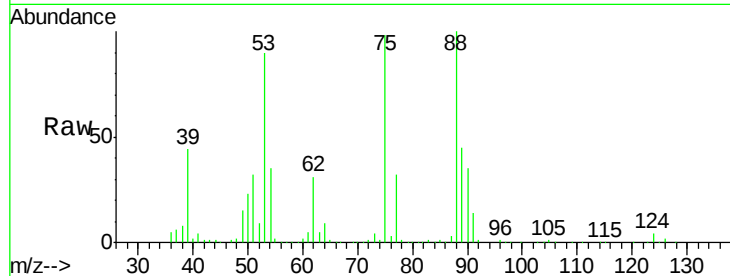
#81
trans-1,4-Dichloro-2-butene
Concen: 51.44 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Instrument :
MSVOA_X
ClientSampled :
ICVVX071618

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.1	86.8	130.2
89	51.5	38.2	57.2

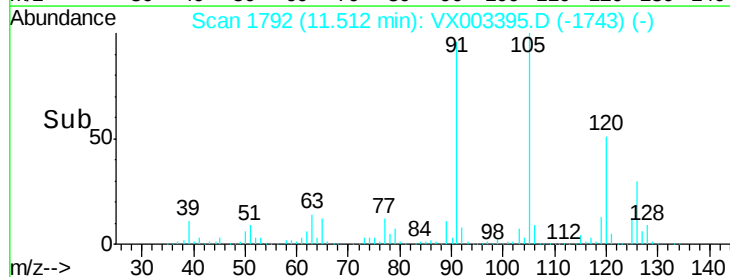
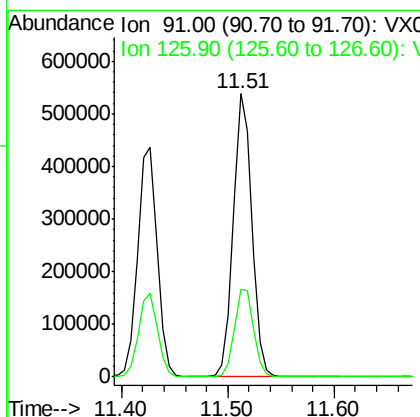
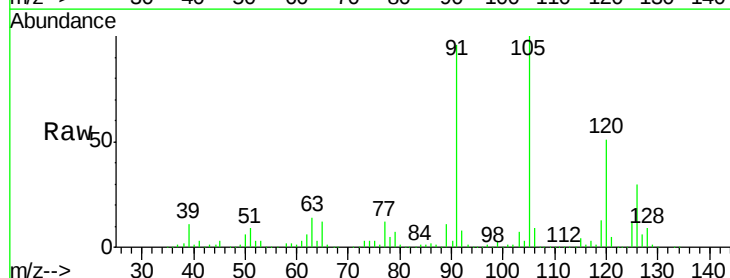
Manual Integrations
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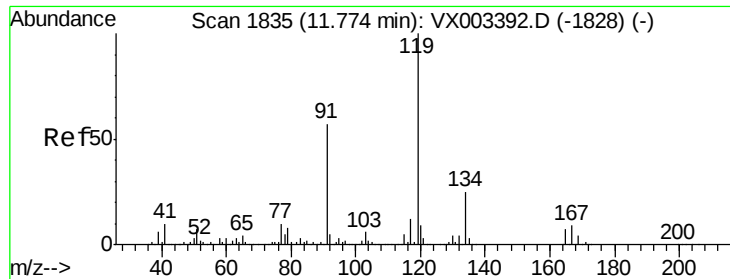
MMDadoda
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#82
4-Chlorotoluene
Concen: 48.07 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.4	46.4





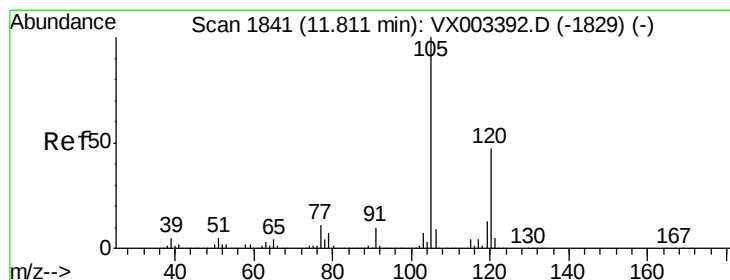
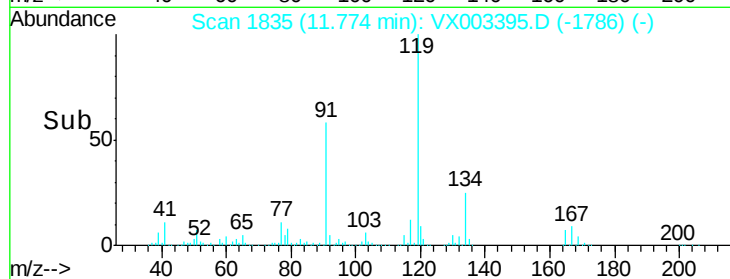
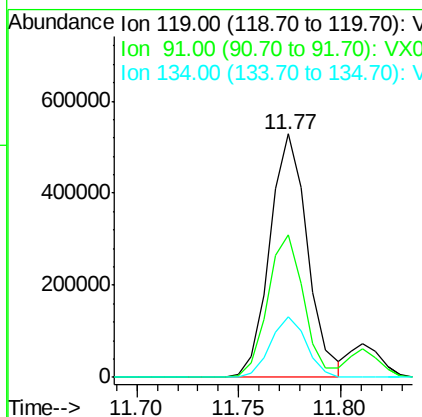
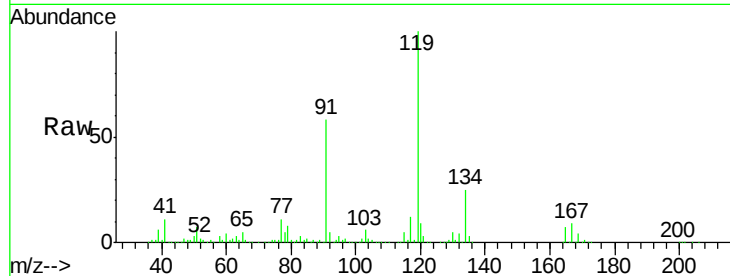
#83
 tert-Butylbenzene
 Concen: 49.28 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071618

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.7	30.3	90.9
134	23.7	11.7	35.1

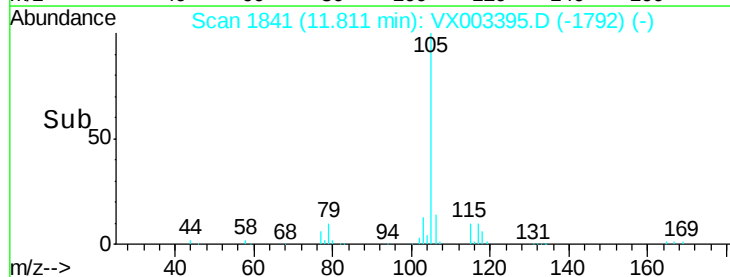
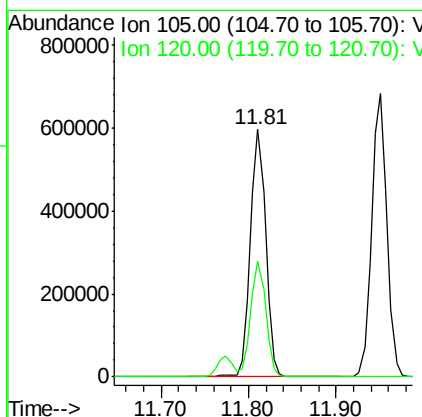
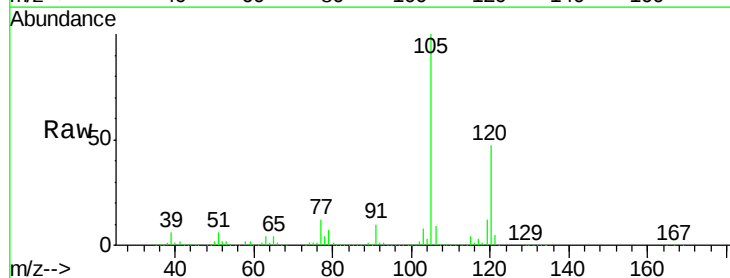
Manual Integrations
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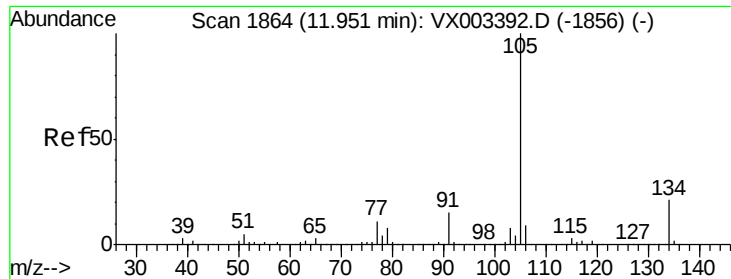
MMDadoda
 7/17/2018 1:46:34 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.46 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.3	66.8





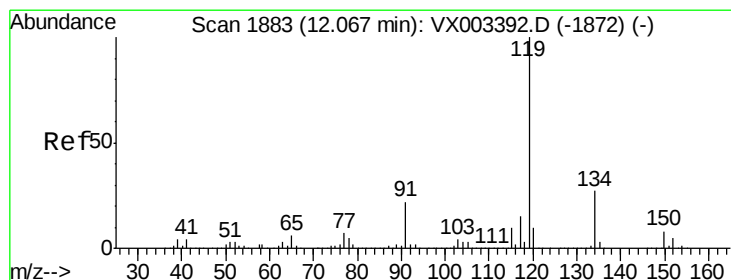
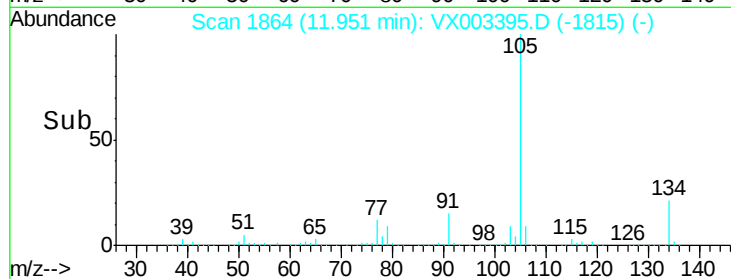
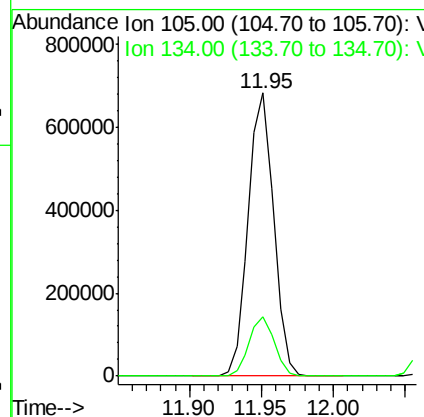
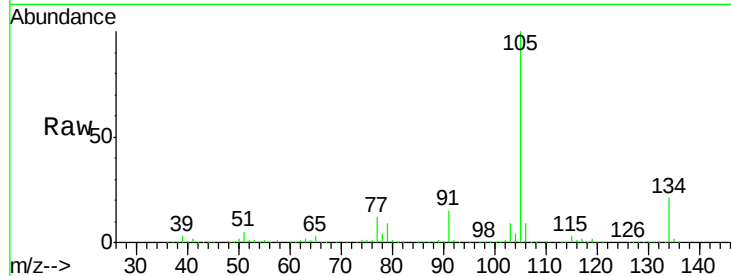
#85
 sec-Butylbenzene
 Concen: 49.75 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071618

Tot Ion:105 Resp: 832450
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.1

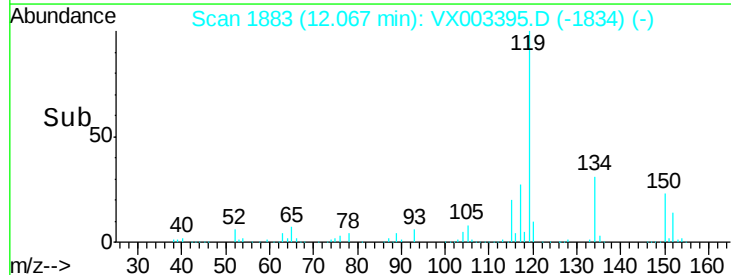
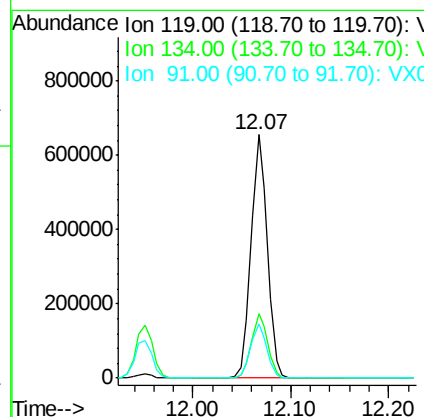
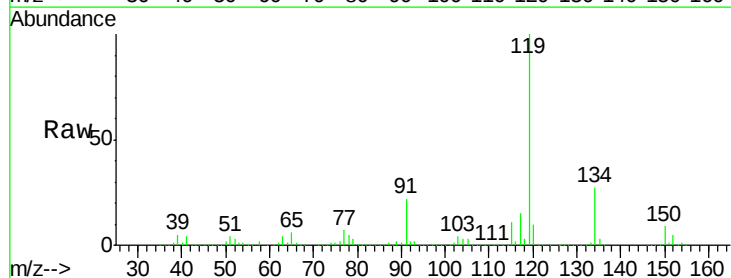
Manual Integrations
 APPROVED

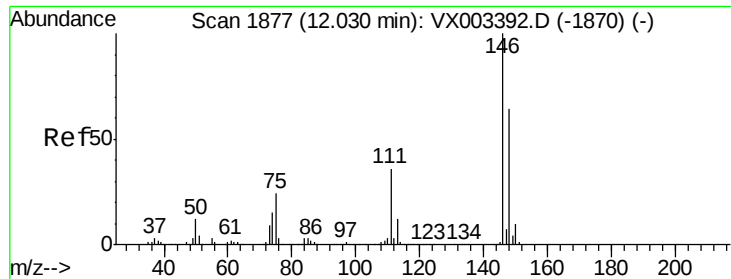
MMDadoda
 7/17/2018 1:46:34 PM



#86
 p-Isopropyltoluene
 Concen: 50.72 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Tgt Ion:119 Resp: 755412
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.1
 91 22.2 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 46.82 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

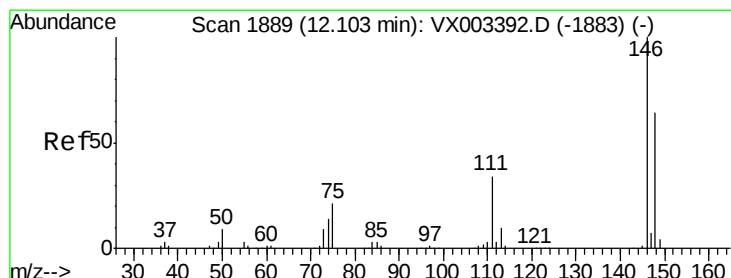
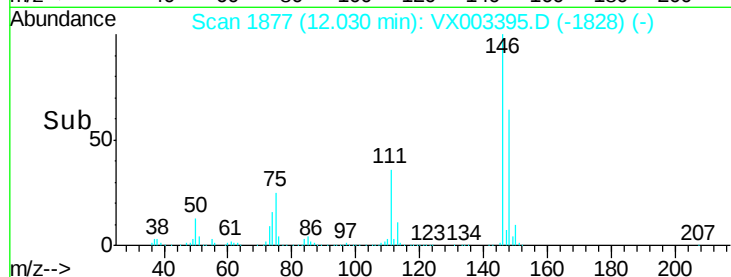
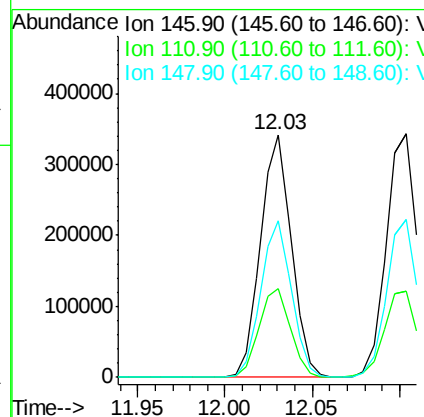
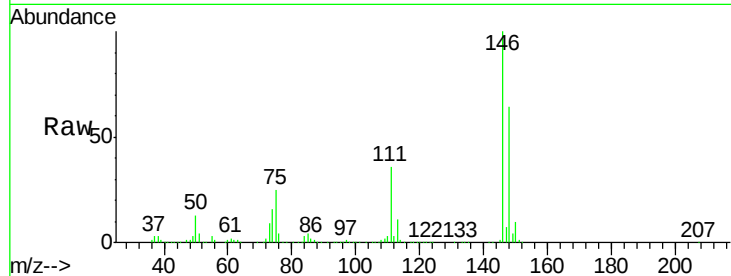
ClientSampleId :

ICVX071618

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.7
148	63.9	32.1	96.3

Manual Integrations
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7/17/2018 1:46:34 PM



#88

1,4-Dichlorobenzene

Concen: 46.28 ug/l

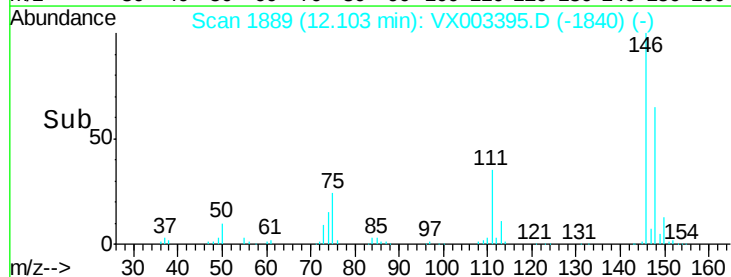
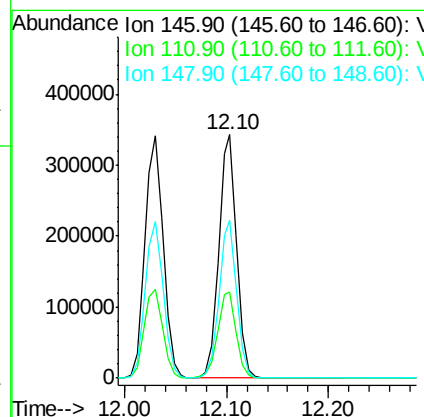
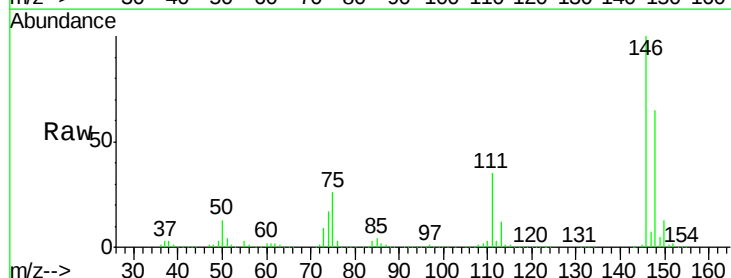
RT: 12.10 min Scan# 1889

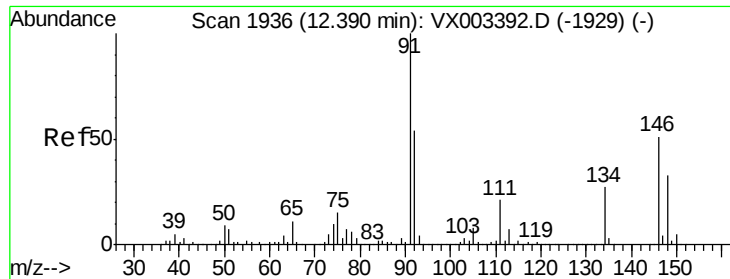
Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.7	56.1
148	64.2	32.4	97.0





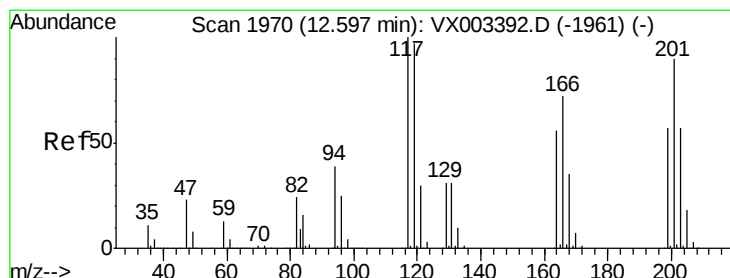
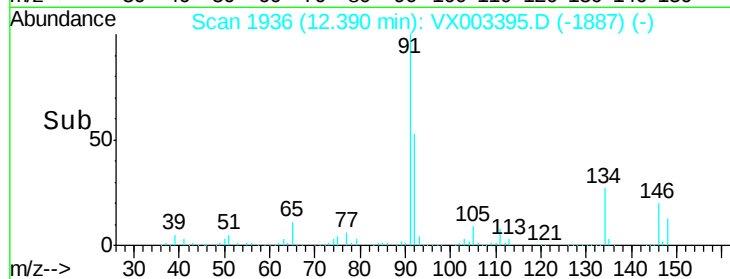
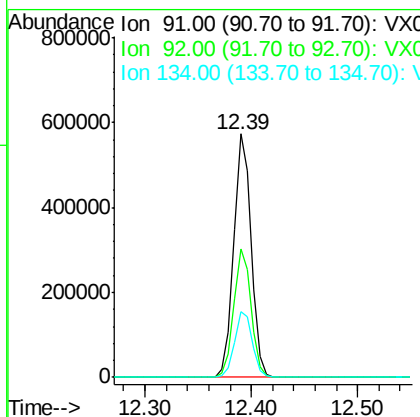
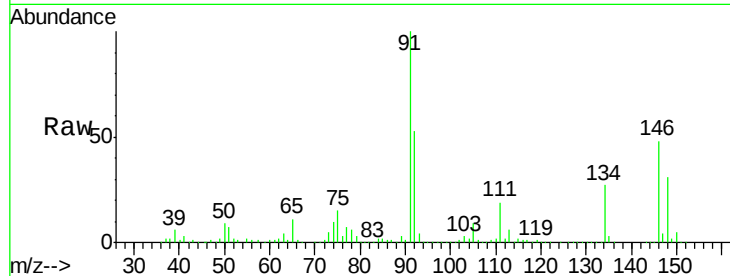
#89
n-Butylbenzene
Concen: 51.89 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Instrument :
MSVOA_X
ClientSampleId :
ICVVX071618

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.0	78.0
134	27.4	13.5	40.5

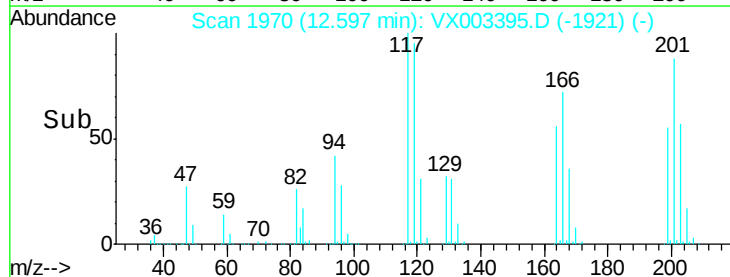
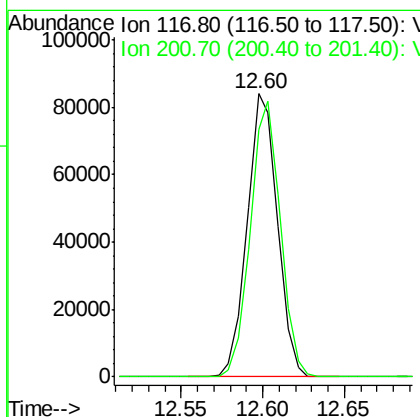
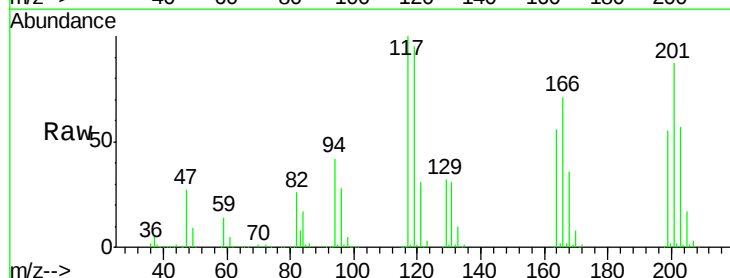
Manual Integrations
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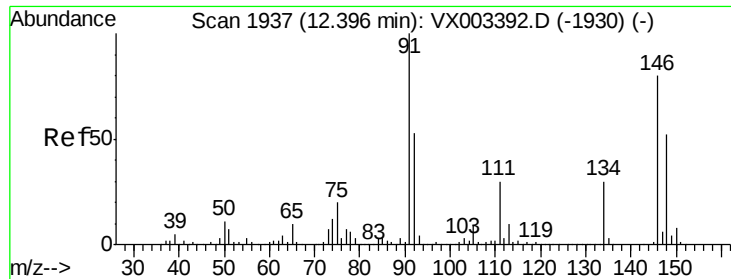
MMDadoda
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#90
Hexachloroethane
Concen: 48.21 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003395.D
Acq: 16 Jul 2018 14:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.5	49.0	147.0





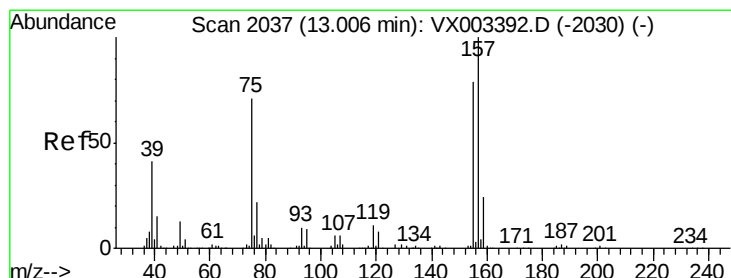
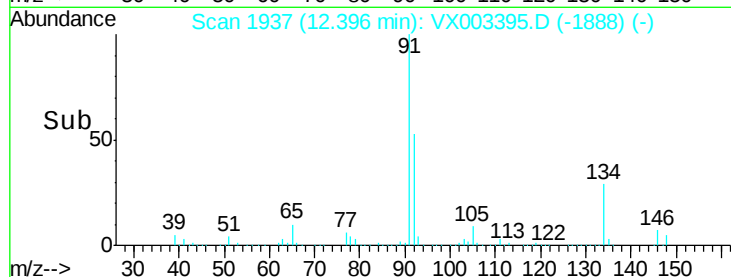
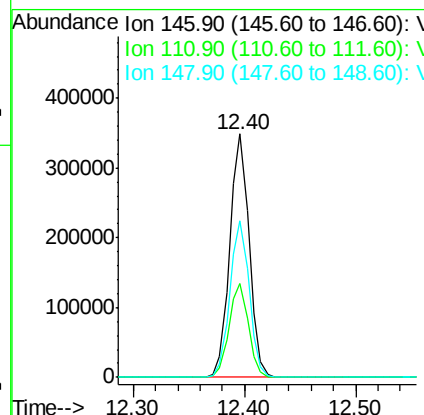
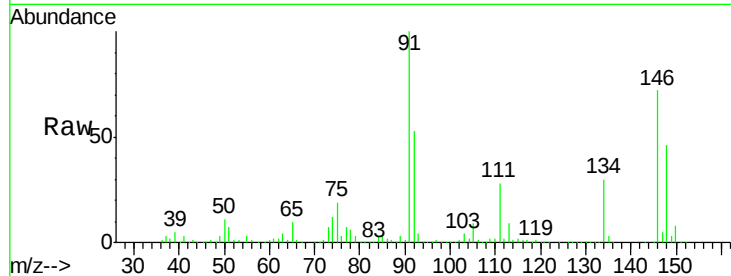
#91
 1,2-Dichlorobenzene
 Concen: 46.35 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071618

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.1
148	64.4	31.7	95.1

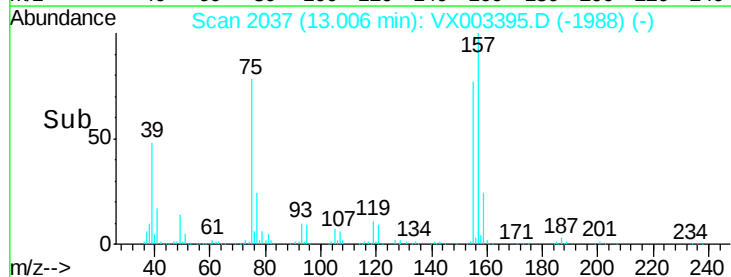
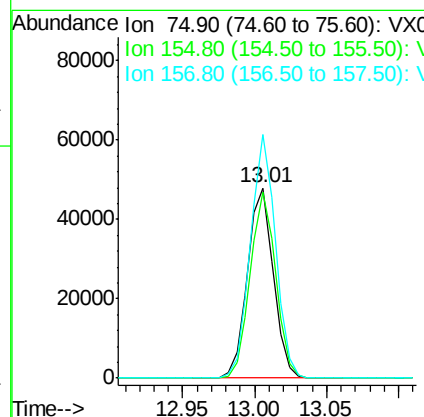
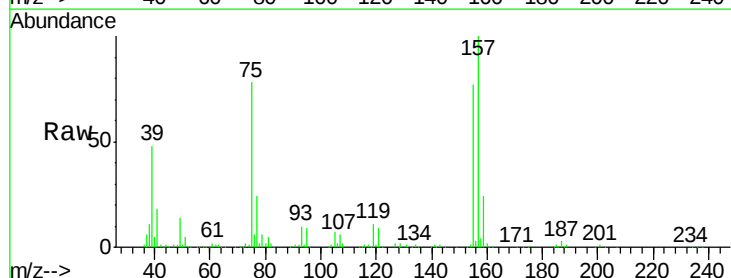
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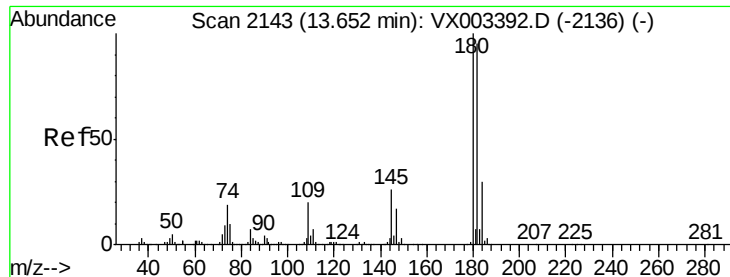
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.02 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.5	45.8	137.4
157	124.5	60.1	180.3





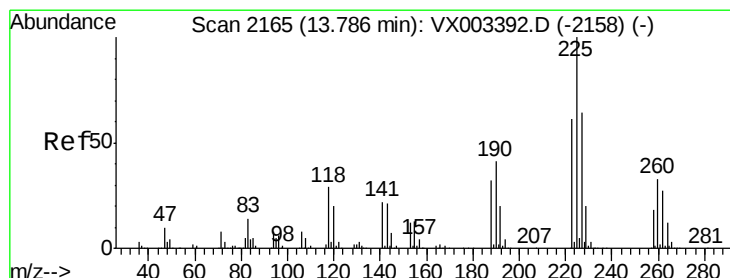
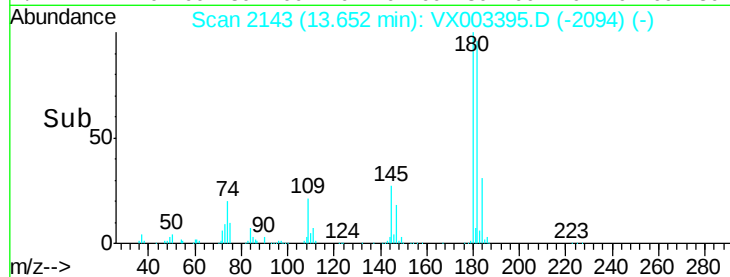
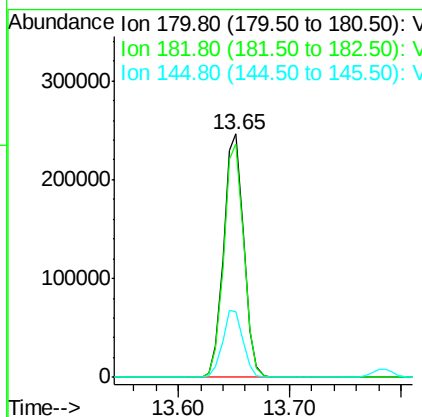
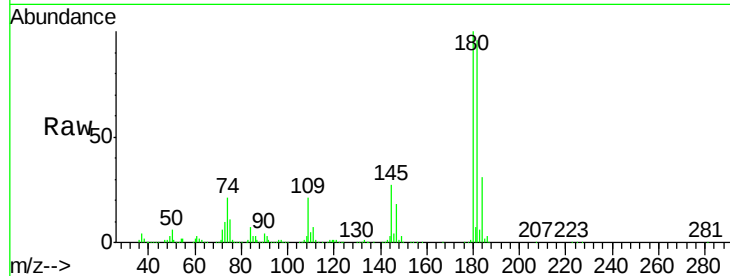
#93
 1,2,4-Trichlorobenzene
 Concen: 49.49 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX071618

Tot Ion	Ratio	Resp	Lower	Upper
180	100	305459		
182	95.8	47.7	143.1	
145	28.0	14.1	42.4	

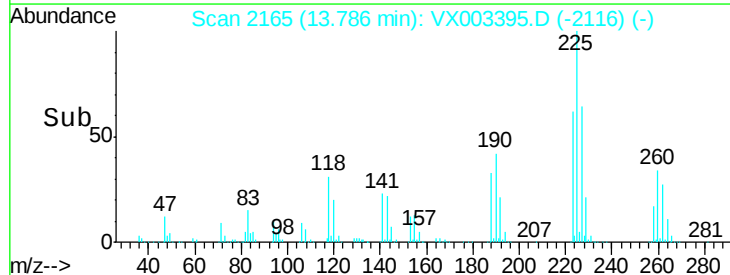
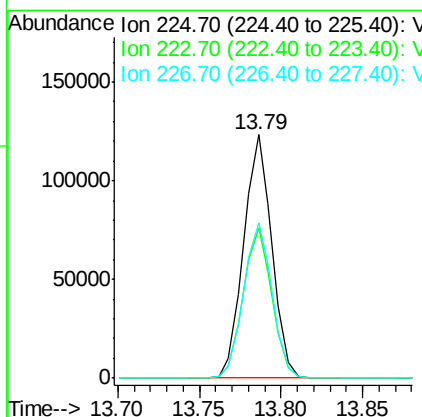
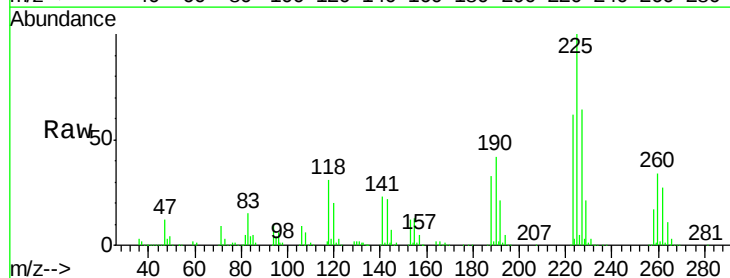
Manual Integrations
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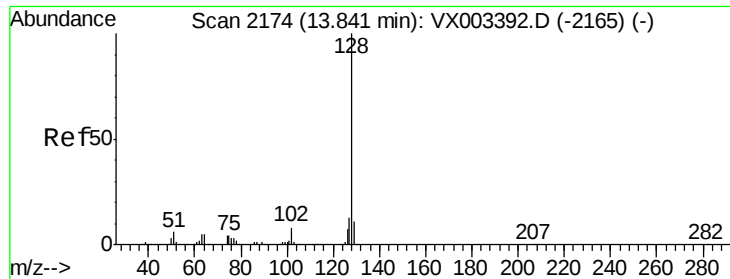
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#94
 Hexachlorobutadiene
 Concen: 49.87 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003395.D
 Acq: 16 Jul 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	148155		
223	62.5	31.6	95.0	
227	64.6	32.4	97.2	





#95

Naphthalene

Concen: 50.86 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Instrument :

MSVOA_X

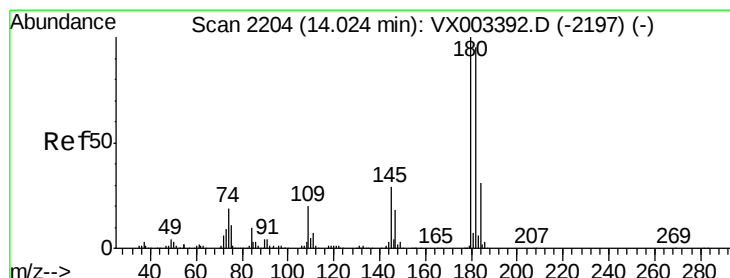
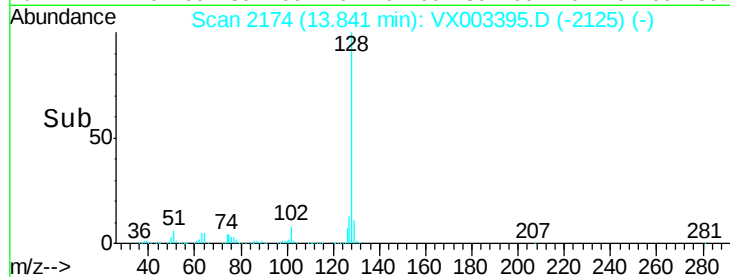
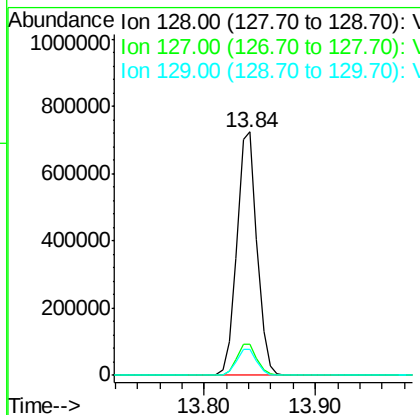
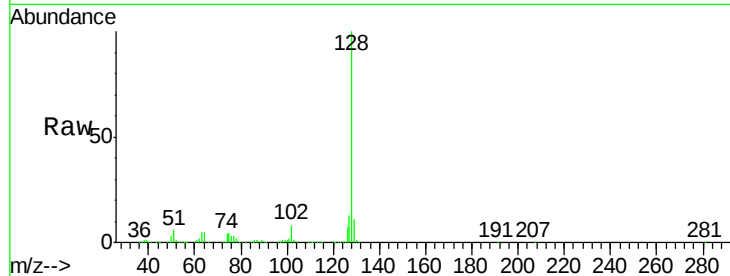
ClientSampleId :

ICVVX071618

Tot Ion:	128	Resp:	899795
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 48.17 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003395.D

Acq: 16 Jul 2018 14:18

Tgt Ion:	180	Resp:	305806
Ion Ratio		Lower	Upper
180	100		
182	95.7	48.0	144.0
145	29.7	14.8	44.3

